ORDER NO. VRD9001M103

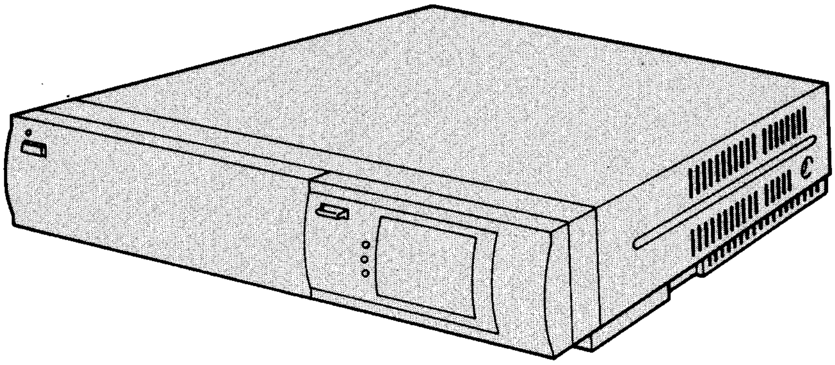
Service Manual

Video Cassette Recorder

Panasonic VHS PAL HQ

NV-J35EG/B

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List



SPECIFICATIONS

ITEM	SPECIFICATION	
POWER	SOURCE: 220V 50/60Hz (NV-J35EG) 240V 50/60Hz (NV-J35B)	
	CONSUMPTION: 22W	
RECORDING SYSTEM	2 rotary heads, helical scanning system	
	PAL	
TV TUNER SYSTEM	NV-J35EG	VHF I : CHE2~CHE4 VHF III: CHS4~CHE12 VHF H: CHS11~CHS20 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-J35B	UHF: CH21~CH69 (PAL I) 75Ω unbalanced
RF OUT SYSTEM	UHF: CH36±4 (PAL/SECAM G) 73^{+2}_{-3} dBμ, 75Ω terminated (NV-J35EG) UHF: CH36±4 (PAL I) 73±3dBμ, 75Ω terminated (NV-J35B)	
VIDEO	HEADS: 4 rotary heads 1 pair for recording, playback (L-R heads) 1 pc. for trick play (L′-R′ heads)	
	INPUT: VIDEO IN Connector (BNC type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated	
	OUTPUT: EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated	

ITEM	SPECIFICATION
AUDIO	HEAD: 1 Stationary head (Normal Audio)
	INPUT: AUDIO IN Connector (Phono type) More than −10dBV (316mV), more than 50kΩ EURO AV Connector (21 pin) More than −10dBV (316mV), more than 10kΩ MICROPHONE JACK 70dBV
	OUTPUT: EURO AV Connector (21 pin) −6dBV (500mV), Less than 1kΩ
TAPE FORMAT	VHS Cassette tape (Tape width 12.7mm)
TAPE SPEED	SP: 23.39mm/s LP: 11.695mm/s (NV-J35B) Record/Playback Time: SP: 4 hours with 240min. type tape LP: 8 hours with 240min. type tape (NV-J35B) FF/REW Time: 5.5min. with 180min. type tape
DIMENSIONS	380(W)×82(H)×356(D)mm
WEIGHT	5.0kg (NV-J35EG) 4.9kg (NV-J35B)
STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Infra-red remote controller (Build in Digital Scanner type) 1 pc. Programme sheet 1 pc. AC Mains Lead

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.

Section 1 presents you with some general information of features and controls, enabling you to become familiar with each function.

Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.

In the case of very common information relating to other models like mechanical adjustments, please refer to each service manual.

Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...

Section 4 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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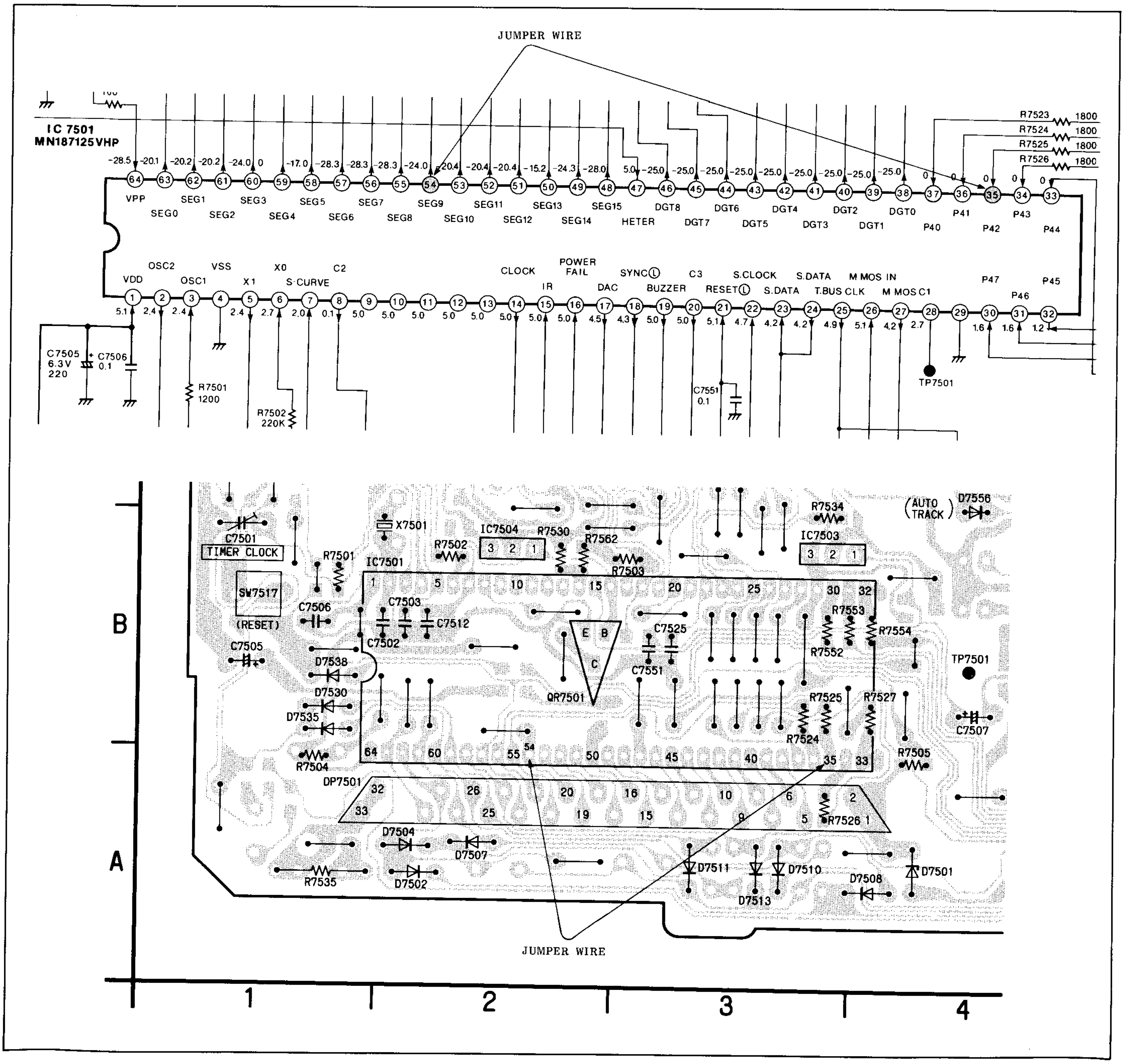
Technical Information

Please pay attention when you replace the memory IC IC7502 (MN12C261D) on Timer C.B.A.
Since the any data for new memory IC has been initialized at factory, the buzzer"on"data should be always set on the memory IC when your repairing.
The following steps must be performed after installing the new memory IC to Timer C.B.A.

Method (Contacting jumper wire on Timer C.B.A.)

1. Contact the lead wires between pin 54 and pin 35 on the Timer IC7501 twice by using jumper wire as shown below.
2. Confirm that "Beep-Beep" sound from the VTR warm you when setting any programmes.


JUMPER WIRE
IC 7501
MN187125VHP
VPP
SEG0
SEG1
SEG2
SEG3
SEG4
SEG5
SEG6
SEG7
SEG8
SEG9
SEG10
SEG11
SEG12
SEG13
SEG14
SEG15
HETER
DGT8
DGT7
DGT6
DGT5
DGT4
DGT3
DGT2
DGT1
DGT0
P40
P41
P42
P43
P44
R7523 1800
R7524 1800
R7525 1800
R7526 1800
VDD
OSC2
OSC1
VSS
X1
X0
S CURVE
C2
CLOCK
IR
POWER FAIL
DAC
SYNC
BUZZER
C3
RESET
S.CLOCK
S.DATA
S.DATA
T.BUS CLK
M MOS IN
M MOS C1
P47
P46
P45
C7505 6.3V 220
C7506 0.1
R7501 1200
R7502 220K
C7551 0.1
TP7501
C7501
TIMER CLOCK
SW7517
(RESET)
X7501
IC7501
IC7504
R7530
R7502
R7562
R7503
R7534
IC7503
(AUTO TRACK)
D7556
C7503
C7512
C7502
C7506
C7505
D7538
D7530
D7535
R7504
QR7501
C7525
C7551
R7553
R7554
R7552
R7525
R7527
R7524
R7505
C7507
DP7501
R7526
D7504
D7507
D7502
R7535
D7511
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JUMPER WIRE
B
A
1
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REMARKS: (NV-J35EG ONLY)

1. It is possible to receive, record and playback colour broadcasts from East Germany (DDR) on this video recorder.
2. When a video tape that was recorded with a colour TV broadcast from East Germany on this VTR is played back on a SECAM (France) or on a PAL VTR, the picture may be in black and white.
3. When a video tape recorded on a SECAM (France) VTR or a SECAM (France) pre-recorded video tape is plated back on this VTR, the picture is in black and white.

(2) To install the chip part,hold in position using tweezers, apply heat to the pre-soldered portions using a fine tip soldering iron.
(3) Solder the other side of the chip part.
(4) Check your soldering.

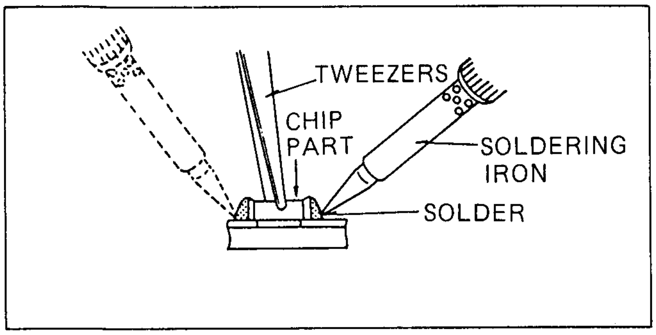

TWEEZERS
CHIP PART
SOLDERING IRON
SOLDER

FIG. G7

1-3. HOW TO REMOVE THE FLAT-IC

(WITH HOT-AIR FLAT-IC DESOLDERING MACHINE)

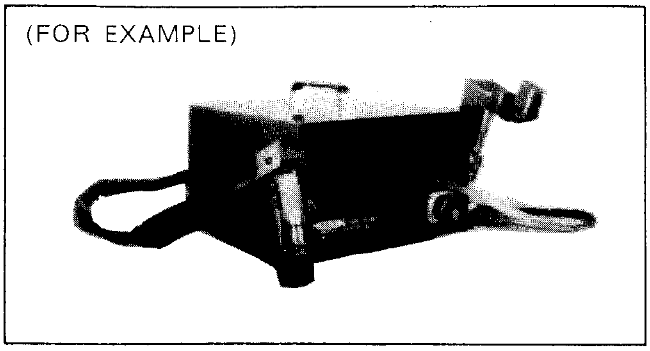

(FOR EXAMPLE)

FIG. G8

(1) Prepare the HOT-AIR FLAT-IC DESOLDERING MACHINE. And then apply hot air to FLAT-IC about 5 ~ 8 seconds.

(2) Remove the FLAT-IC with tweezers while applying the hot air.

Caution: Do not supply the hot air to the chip parts around the Flat-IC for long time as as damage may occur to the chip parts around the Flat -IC.

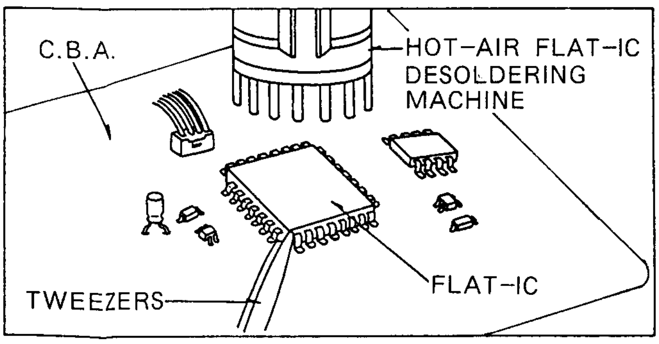

C.B.A.
HOT-AIR FLAT-IC DESOLDERING MACHINE
TWEEZERS
FLAT-IC

FIG. G9

(WITH SOLDERING IRON)

(1) Using solder braid remove the solder from all pins of the Flat-IC.
When you use the solder flux which is applied to all pins of the Flat-IC,you can remove it easily.

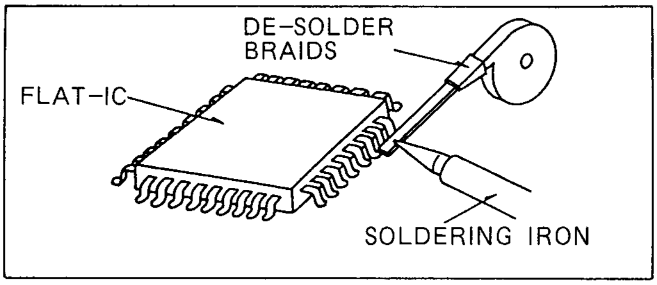

DE-SOLDER BRAIDS
FLAT-IC
SOLDERING IRON

FIG. G10

(2) Lift each lead of the Flat-IC upward one by one using a sharp pin or non solder wire(iron wire),while heating the pins using a fine tip soldering iron or a hot air blower.

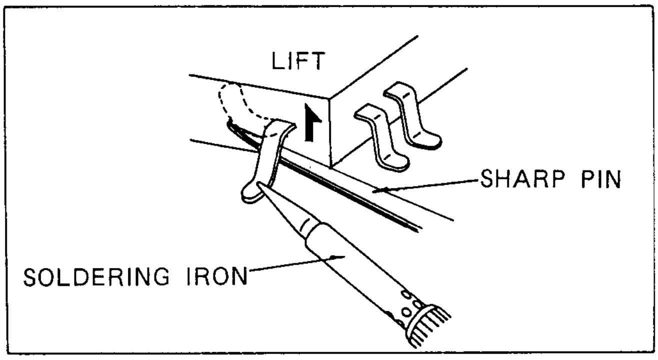

LIFT
SHARP PIN
SOLDERING IRON

FIG. G11

(WITH IRON WIRE)

(1) Affix the wire to workbench or solid mounting point as shown in FIG.G12.
(2) Pull up wire as the solder melts so as to lift the IC lead from the PCB contact pad,while heating the pins using a fine tip soldering iron or hot air blower.

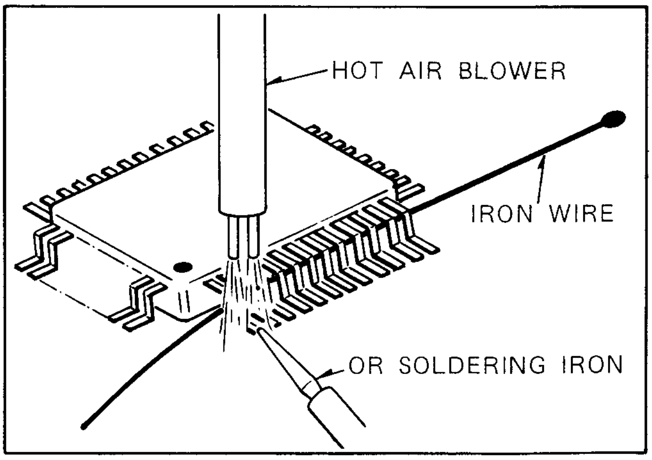

HOT AIR BLOWER
IRON WIRE
OR SOLDERING IRON

FIG.G12

Note: When using a soldering iron care must be taken to ensure that the Flat IC is not being held by glue before it is the PCB may be damaged if force is used.

SERVICE INFORMATION

1-1. HOW TO CHECK THE CRACKED CHIP PART

(1) Apply heat to the soldered portions of chip part using a soldering iron for about 2–3 seconds.
(2) If the chip part is faulty,it will be broken or cracked.

Caution: Do not leave soldering iron on the PCB too long as damage may occur to the PCB or the chip parts.

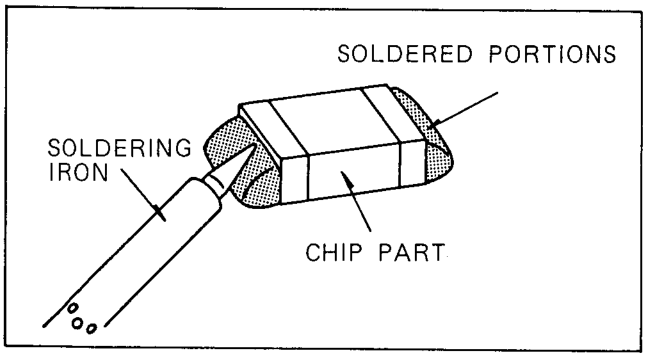

SOLDERED PORTIONS
SOLDERING IRON
CHIP PART

FIG. G1

Note: Regarding intermittent faults
The main causes of these faults are poor soldering and cracked chip parts.

1-2. HOW TO REPLACE THE CHIP PART

1) REMOVAL (RESISTOR, CAPACITOR, etc...)

(1) Presolder the one side of soldering portion for chip part and grasp the chip part by tweezers.

(2) Melt the presoldered portion. And then remove the chip part with a twisting motion while melting the soldering portion of another side quickly.

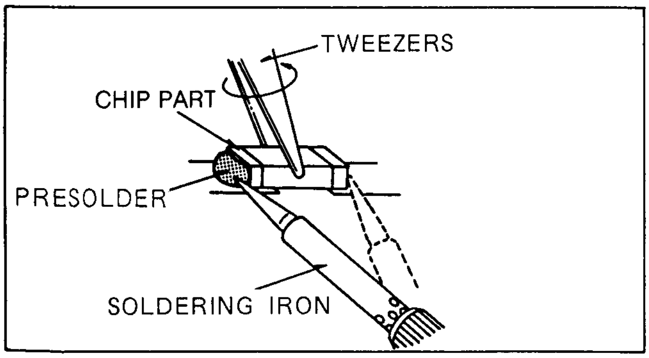

TWEEZERS
CHIP PART
PRESOLDER
SOLDERING IRON

FIG. G2

2) REMOVAL (transistor, diode, etc...)

(1) Grasp the chip part with tweezers and melt the solder of one lead.

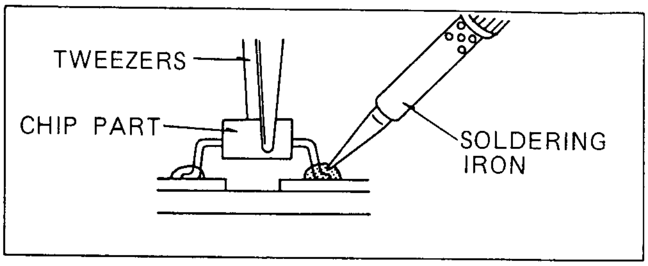

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G3

(2) Lift the side of that lead upward.

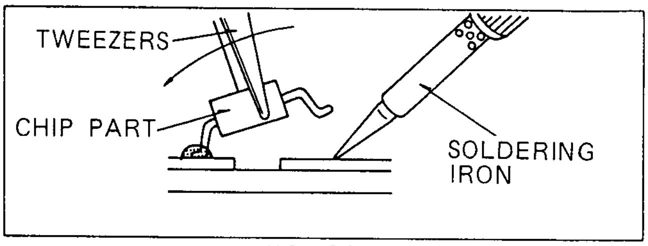

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G4

Caution: Do not lift the chip part too high as damage may occur to the PCB or the leads that are still soldered on the PCB.

(3) Simultaneously heat the solder of the two remaining leads and lift part to remove.

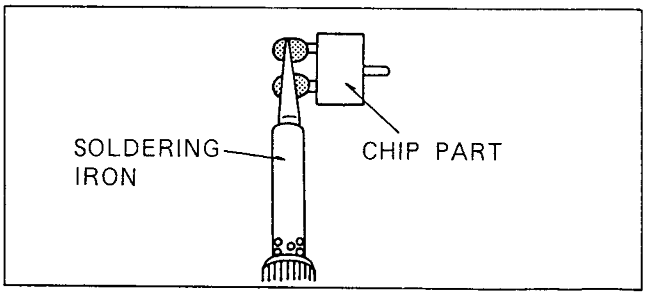

SOLDERING IRON
CHIP PART

FIG. G5

3) INSTALLATION

(1) Presolder the one side of contact point on the circuit board.

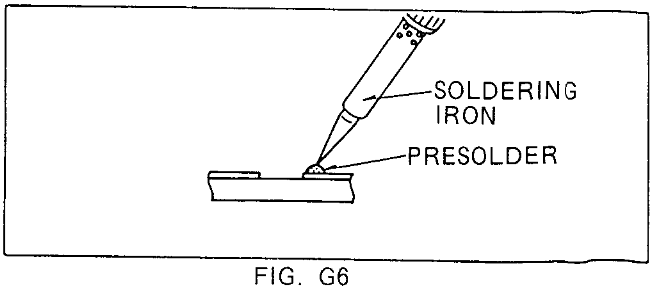
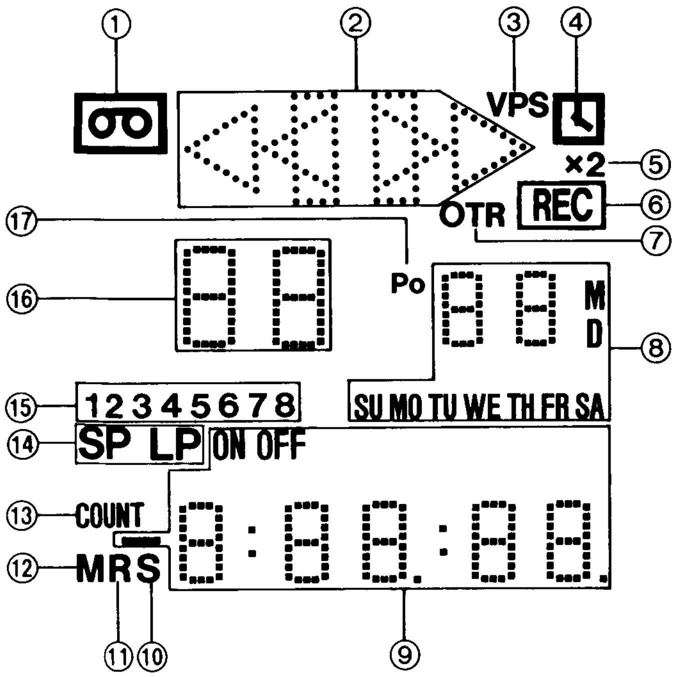

SOLDERING IRON
PRESOLDER

FIG. G6

Multi-Function Display


VPS
×2
REC
OTR
Po
M
D
12345678
SU MO TU WE TH FR SA
SP LP
ON OFF
COUNT
MRS
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯
⑰

① Cassette-in Indicator

② Tape Running Display

③ VPS Indicator (NV-J35EG)

④ Timer Recording Indicator

⑤ Double Speed Indicator

⑥ Recording Indicator

⑦ OTR Indicator

⑧ Date Display

⑨ Clock/Counter Indicator

⑩ Search Indicator

⑪ Repeat Indicator

⑫ Memory Indicator

⑬ Counter Mode Indicator

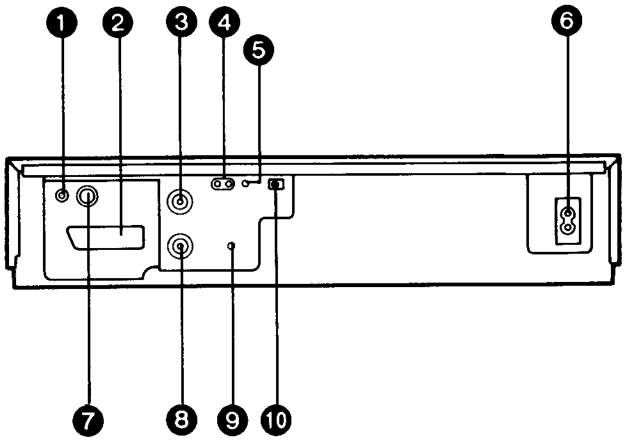
⑭ Tape Speed Indicator (NV-J35B)

⑮ Timer Programme Number

⑯ Channel Display

⑰ Position Indicator

REAR


❶
❷
❸
❹
❺
❻
❼
❽
❾
❿

❶ Audio Input Socket

❷ Euro AV Socket

❸ RF Output Socket

❹ Vertical Lock Controls

❺ Synchro Edit Socket

❻ AC Mains Lead Socket

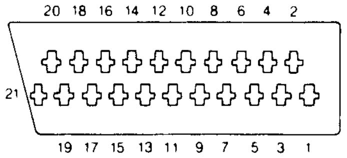
❼ Video Input Socket

❽ RF Input Socket

❾ Video Playback Channel Selector

❿ Test Signal Switch

Connections of the Euro AV Socket

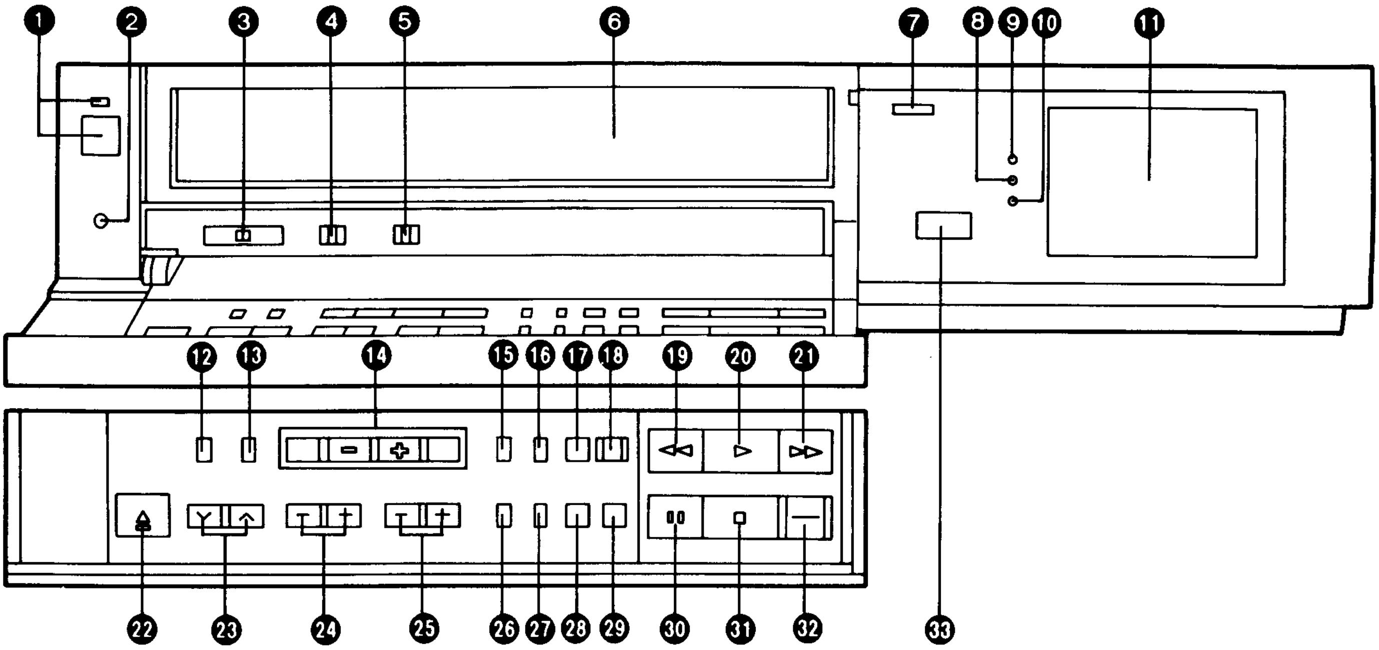

20 18 16 14 12 10 8 6 4 2
21
19 17 15 13 11 9 7 5 3 1

1 AUDIO OUTPUT
2 AUDIO INPUT
3 AUDIO OUTPUT
4 AUDIO GND
5 No connection
6 AUDIO INPUT
7 No connection
8 SWITCHING VOLTAGE
9 No connection
10 No connection
11 No connection
12 Noconnection
13 Noconnection
14 Noconnection
15 Noconnection
16 Noconnection
17 VIDEO GND
18 No connection
19 VIDEO OUTPUT
20 VIDEO INPUT
21 GND

SECTION 1
GENERAL DESCRIPTIONS

1-1. CONTROLS AND COMPONENTS

FRONT



① VTR On/Off Switch with Indicator

② Microphone Input Socket

③ Picture Sharpness Control

④ Noise Filter/Edit Selector

⑤ Digital Tracking Selector

⑥ Cassette Compartment

⑦ Control Panel Open Button

⑧ Audio Dubbing Indicator

⑨ Insert Editing Indicator

⑩ Digital Tracking Indicator

⑪ Multi-Function Display

⑫ Clock Button

⑬ Preset/Fine/Normal Button

⑭ Timer Controls

⑮ AFC/VPS Button (NV-J35EG)

⑯ Clear Button

⑰ Tape Speed Selector (NV-J35B)

⑱ Timer Record Button

⑲ Rewind ◀◀/Review ⏪ Button

⑳ Play/×2 Button (▶)

㉑ Fast Forward ▶▶/Cue ⏩ Button

㉒ Eject Button (▲)

㉓ Channel Selection Up and Down Buttons

㉔ OTR On Buttons

㉕ OTR Off Buttons

㉖ Clock/Counter Selector

㉗ Reset Button

㉘ Audio Dubbing Button

㉙ Insert Editing Button

㉚ Pause/Still Button (❚❚)

㉛ Stop Button (■)

㉜ Record Button (●)

㉝ Infra-red Remote Control Receiver

SECTION 2
ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2–1–1. DISASSEMBLY FLOW CHART

This flowchart indicates disassembly steps of the cabinet parts and circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

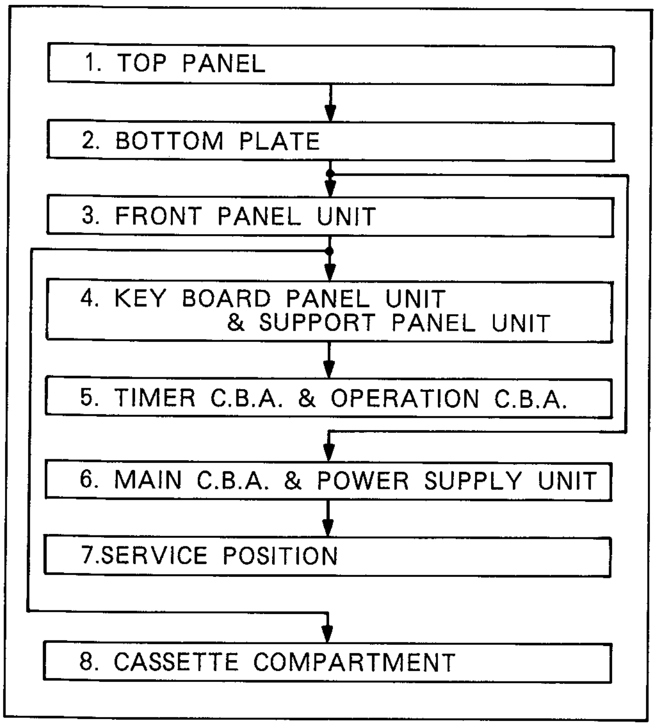

1. TOP PANEL
2. BOTTOM PLATE
3. FRONT PANEL UNIT
4. KEY BOARD PANEL UNIT & SUPPORT PANEL UNIT
5. TIMER C.B.A. & OPERATION C.B.A.
6. MAIN C.B.A. & POWER SUPPLY UNIT
7.SERVICE POSITION
8. CASSETTE COMPARTMENT

Fig. D1

2–1–2. DETAIL OF DISASSEMBLY METHOD

1. REMOVAL OF THE TOP PANEL UNIT

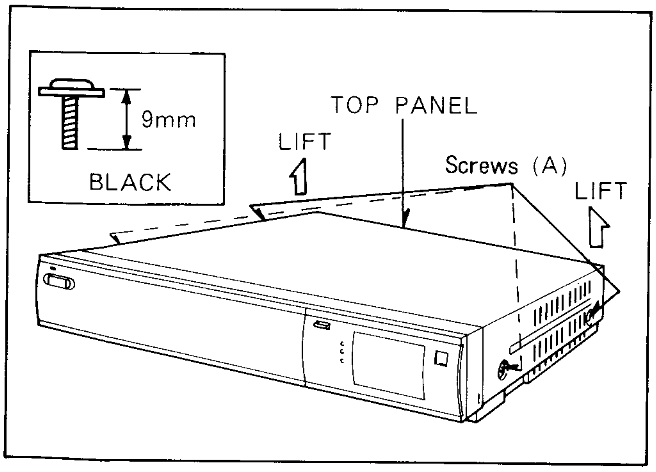

9mm
BLACK
TOP PANEL
LIFT
Screws (A)
LIFT

Fig. D2

Remove ... 4 Screws (A) : NV–J35EG
2 Screws (A) : NV–J35B

2. REMOVAL OF THE BOTTOM PLATE

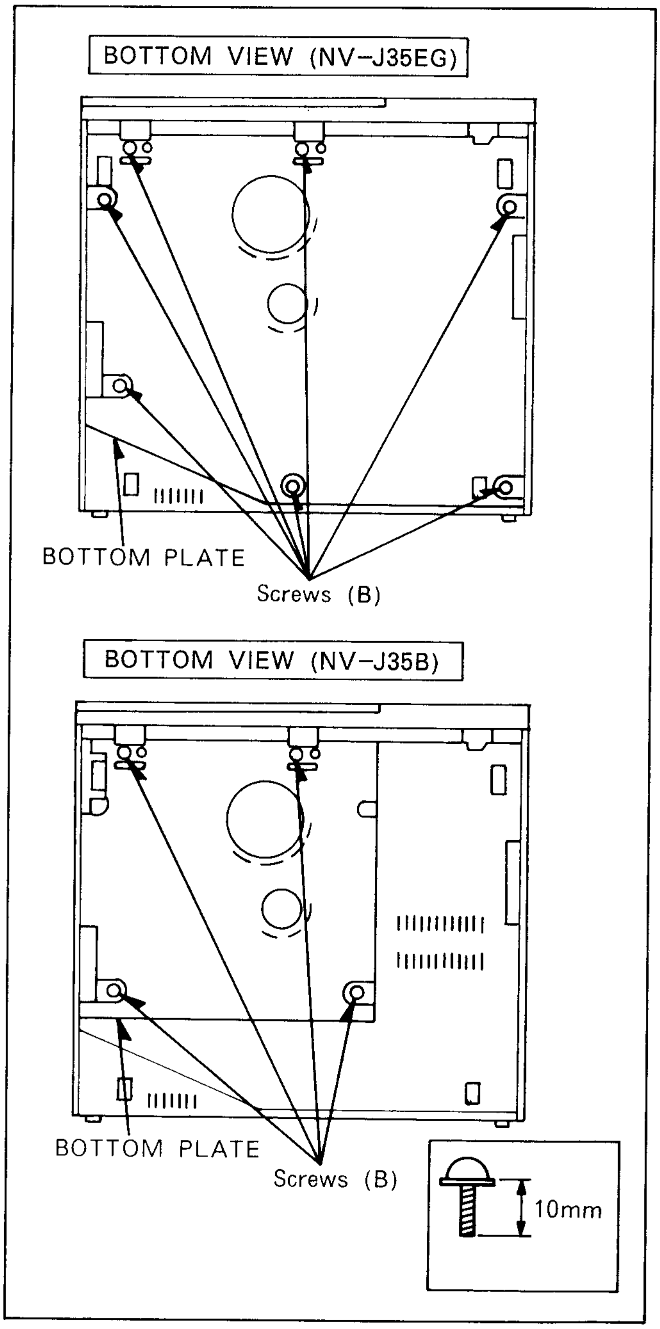
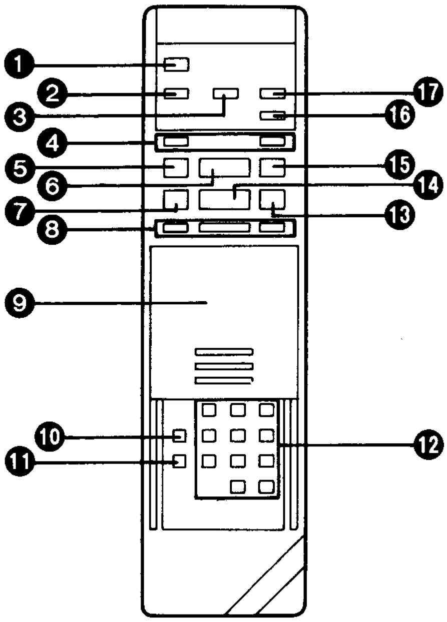

BOTTOM VIEW (NV–J35EG)
BOTTOM PLATE
Screws (B)
BOTTOM VIEW (NV–J35B)
BOTTOM PLATE
Screws (B)
10mm

Fig. D3

Remove ... 7 Screws (B) : NV–J35EG
4 Screws (B) : NV–J35B

1-2. INFRA-RED REMOTE CONTROLLER

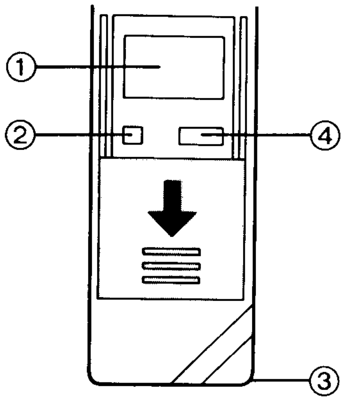
Parts Number: VEQ1120 (NV-J35EG)
VEQ1119 (NV-J35B)



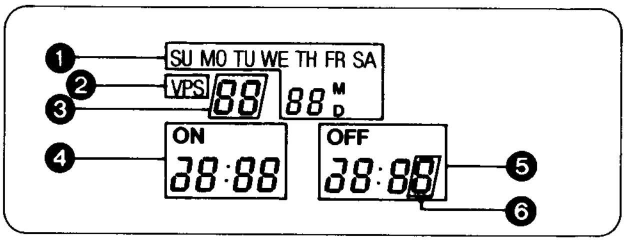
- ❶ **VTR On/Off Button**
- ❷ **Clock/Counter Selector**
- ❸ **Reset/Index Button**
- ❹ **Record Buttons (●)**
- ❺ **Pause/Still Button (❚❚)**
- ❻ **Stop Button (■)**
- ❼ **Rewind ◀◀/Review ⏪ Button**
- ❽ **Slow Buttons**
- ❾ **Mode Selector Cover**
- ❿ **Time Search Button**
- ⓫ **Monitor Button**
- ⓬ **Programme Position (Channel) Selector Buttons**
- ⓭ **Fast Forward ▶▶/Cue ⏩ Button**
- ⓮ **Play/×2 Button (▶)**
- ⓯ **Still Advance Button (❙▶)**
- ⓰ **Reverse Play Button**
- ⓱ **Memory/Repeat/Search Button**

Use as Digital Scanner

Slide the Mode Selector Cover Downward.



① **Bar Code Reader Display**



- ❶ Date Display
- ❷ VPS Indicator
- ❸ Channel Display
- ❹ Start Time Display
- ❺ End Time Display
- ❻ Check Indicator

② **Digital Scanner On/Off Button**

③ **Bar Code Reading Section**

④ **Transmit Button**

2–3–10.Y–NR BALANCE ADJUSTMENT (NV–J35B)

TP	ADJ.	MODE	INPUT
IC302–21	VR302	RECORDING (LP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	WAVE-FORM IS MINIMIZED	

1. Record the Colour Bar in LP Mode.
2. Connect the Oscilloscope to IC302–21.
3. Adjust VR302 so that waveform becomes minimum.

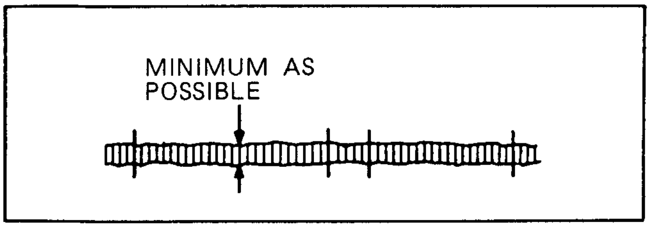


Fig. E9

2–3–11.Y–NR GAIN ADJUSTMENT (NV–J35B)

TP	ADJ.	MODE	INPUT
VIDEO LINE OUT (TP3002)	VR301	SELF RECORDING AND PLAYBACK (LP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	1.0+–0.05 (Vp–p) (75ohm Terminated)	

1. Record the Colour bar in LP Mode.
2. Connect the oscilloscope to VIDEO LINE OUT.
3. Adjust VR301 so that the Video E–E level becomes 1.0+–0.05 (Vp–p).
4. Playback the just recorded portion.
5. Confirm the Video Playback level which is 1.0+–0.05(Vp–p).
6. If the Video Playback level is out of spec., adjust VR301 so that it becomes 1.0+–0.1(Vp–p) and confirm the Video E–E level.

Achieve this adjustment, Video OUT terminal must be terminated with 75ohm.

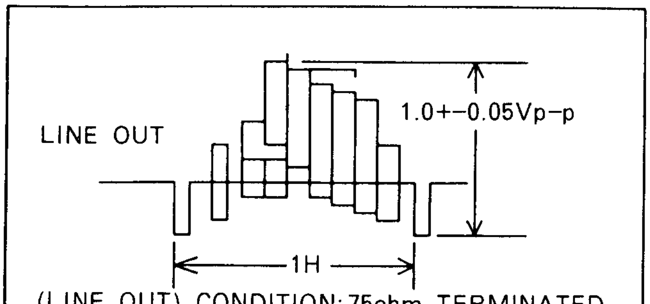


Fig. E10

2–3–12.CHROMA RECURSIVE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC302–8	VR801 VR802	SELF RECORDING AND PLAYPACK	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	AMPLITUDE IS MINIMIZED	

1. Record the Colour Bar in SP Mode and playback the just recorded portion.
2. Connect the Oscilloscope to IC302–8.
3. Adjust VR801 and VR802 alternately so that the Chrominance Waveform Amplitude becomes minimum.

Achieve this adjustment after finishing adjustments in REC mode.

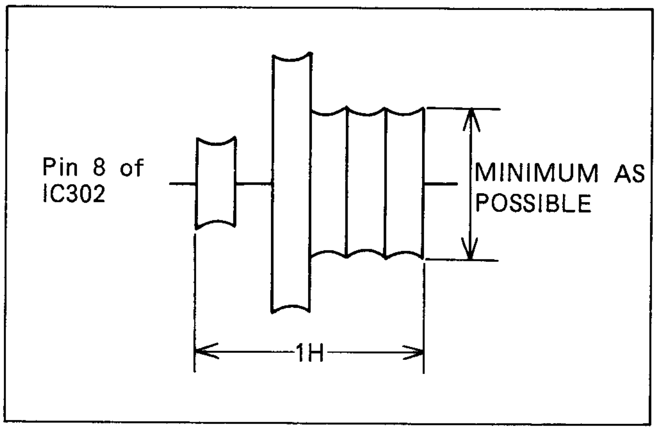


Fig. E11

2–3–13.SECAM KILLER ADJUSTMENT (NV–J35EG ONLY)

TP	ADJ.	MODE	INPUT
IC851–11	T851	RECORDING	SECAM VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	Portion A is peak to negative direction.	

1. Adjust T851 so that the portion "A" becomes maximum waveform.

LUMINANCE, CHROMINANCE & HEAD AMP SECTION

2–3–7. LUMINANCE RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR501	RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	130+–5mVp–p	

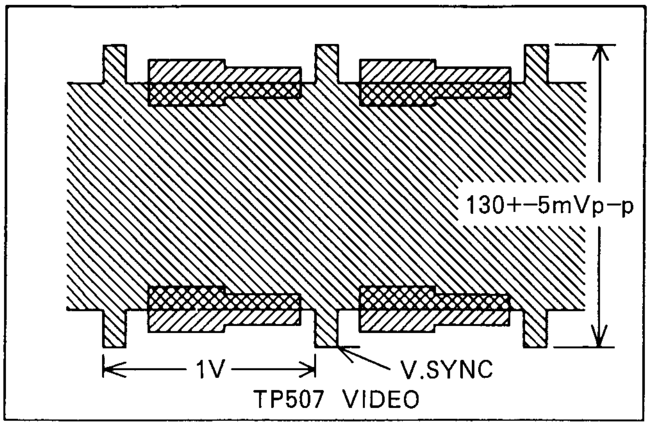

130+–5mVp–p
1V
V.SYNC
TP507 VIDEO

Fig. E5

2–3–8. CHROMINANCE RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR502	RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	32+–2mVp–p	

1. Connect the oscilloscope to TP507(HOT) and TP508(GND).
2. Connect a jumper wire between P3001–1 and GND. And then place the unit to Recording mode.
3. Adjust VR502, so that chroma level becomes 32+–2mVp–p.

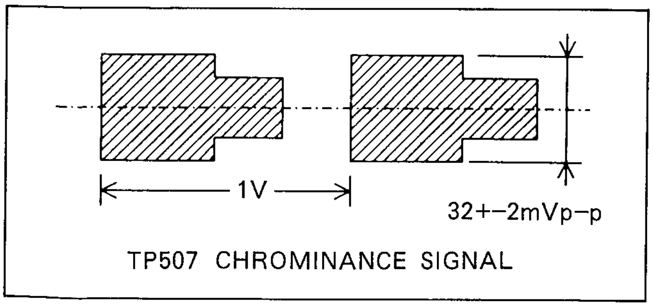

1V
32+–2mVp–p
TP507 CHROMINANCE SIGNAL

Fig. E6

2–3–9. HEAD AMP FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
I/O PACK–13 (VIDEO OUT)	VR3012(SP) VR3013(LP)	SELF RECORDING	VIDEO SWEEP
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	VIDEO SWEEP/ OSCILLO-SCOPE		

1. Set the sweep generator output as shown in below.

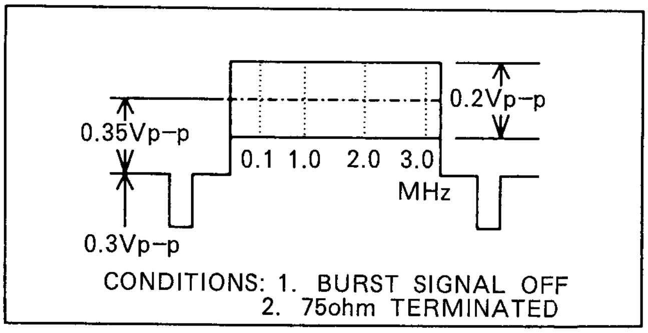

0.2Vp–p
0.35Vp–p
0.1 1.0 2.0 3.0
MHz
0.3Vp–p
CONDITIONS: 1. BURST SIGNAL OFF
2. 75ohm TERMINATED

Fig. E7

2. Picture Sharpness Control is centre fix position.
3. Adjust the VR3012:SP(VR3013:LP) so that the waveform becomes as shown in below.

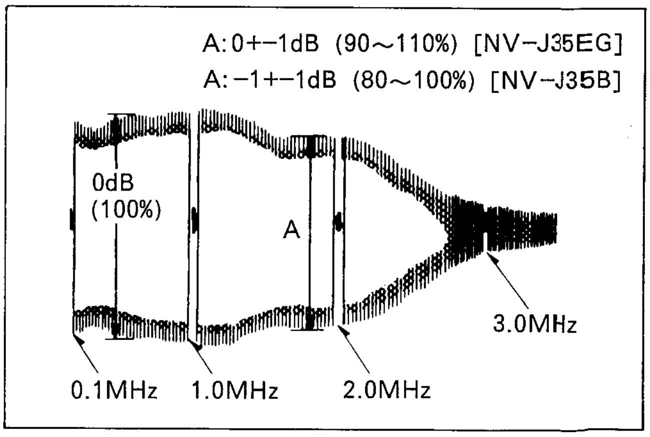

A:0+–1dB (90～110%) [NV–J35EG]
A:–1+–1dB (80～100%) [NV–J35B]
0dB (100%)
A
3.0MHz
0.1MHz
1.0MHz
2.0MHz

Fig. E8

3. REMOVAL OF THE FRONT PANEL UNIT

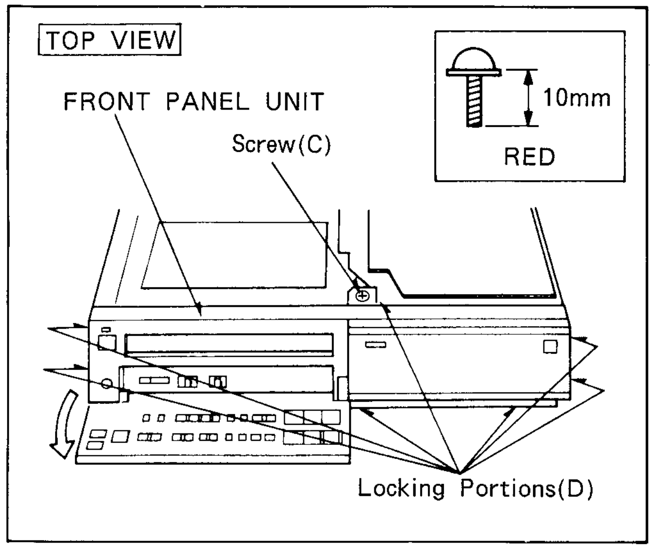

TOP VIEW
10mm
RED
FRONT PANEL UNIT
Screw(C)
Locking Portions(D)

Fig. D4

Remove ... Screw(C)
Unlock ... 7 Locking Portions(D)

4. REMOVAL OF THE KEY BOARD PANEL UNIT AND SUPPORT PANEL UNIT

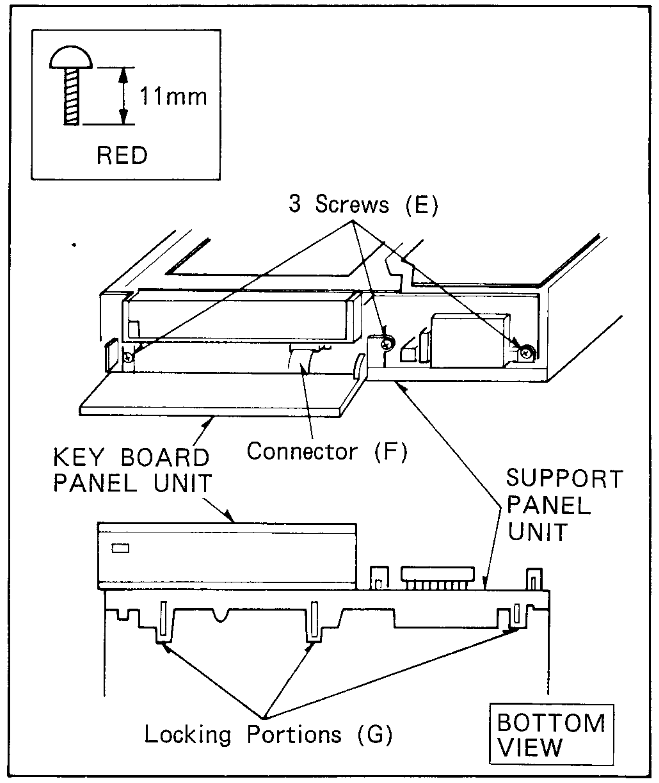

11mm
RED
3 Screws (E)
KEY BOARD PANEL UNIT
Connector (F)
SUPPORT PANEL UNIT
Locking Portions (G)
BOTTOM VIEW

Fig. D5

Remove ... 3 Screws (E)
Disconnect ... Connector (F)
Unlock ... 3 Locking Portions (G)

5. REMOVAL OF THE TIMER C.B.A. AND OPERATION C.B.A.

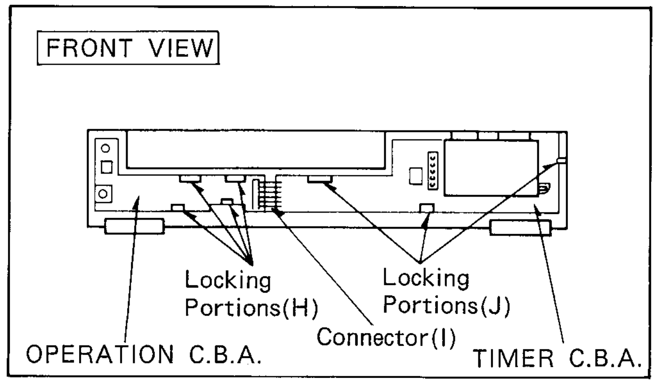

FRONT VIEW
Locking Portions(H)
Locking Portions(J)
Connector(I)
OPERATION C.B.A.
TIMER C.B.A.

Fig. D6

REMOVAL OF THE OPERATION C.B.A.

Unlock ... 4 Locking Portions(H)

REMOVAL OF THE TIMER C.B.A.

Unlock ... 3 Locking Portions(J)
Disconnect ... Connector(I)

6. REMOVAL OF THE MAIN C.B.A. AND POWER SUPPLY UNIT

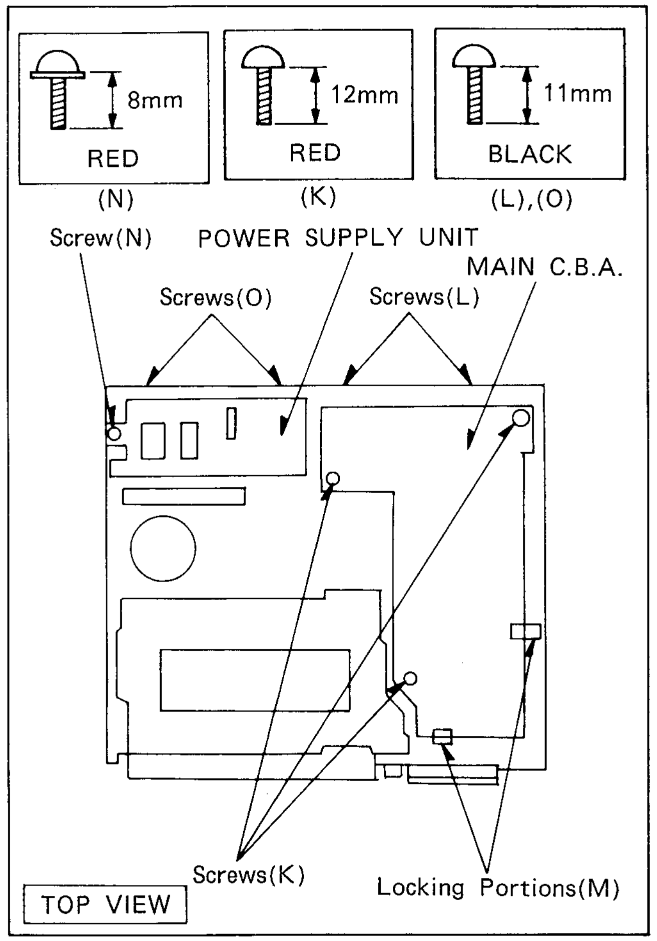

8mm
RED
(N)
12mm
RED
(K)
11mm
BLACK
(L),(O)
Screw(N)
POWER SUPPLY UNIT
MAIN C.B.A.
Screws(O)
Screws(L)
Screws(K)
Locking Portions(M)
TOP VIEW

Fig. D7

REMOVAL OF THE MAIN C.B.A.

Remove ... 3 Screws(K) and 2 Screws(L)
Unlock ... 2 Locking Portions(M)

REMOVAL OF THE POWER SUPPLY UNIT

Remove ... Screw(N) and 2 Screws(O)

7.SERVICING

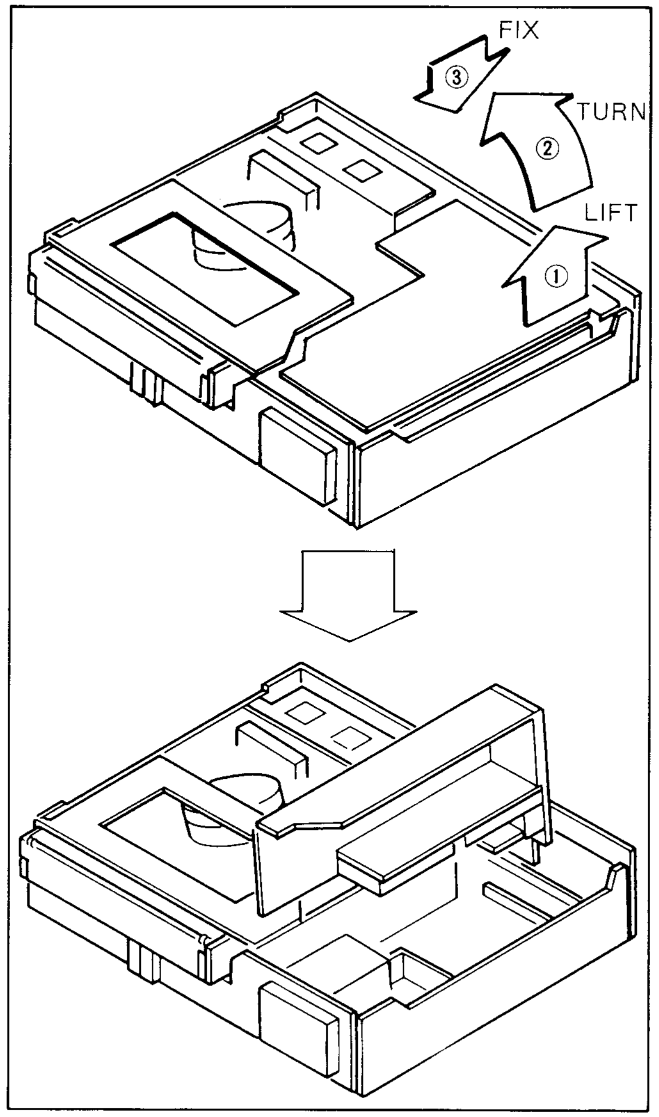

FIX
③
TURN
②
LIFT
①

Fig. D8

8. REMOVAL OF THE CASSETTE COMPARTMENT

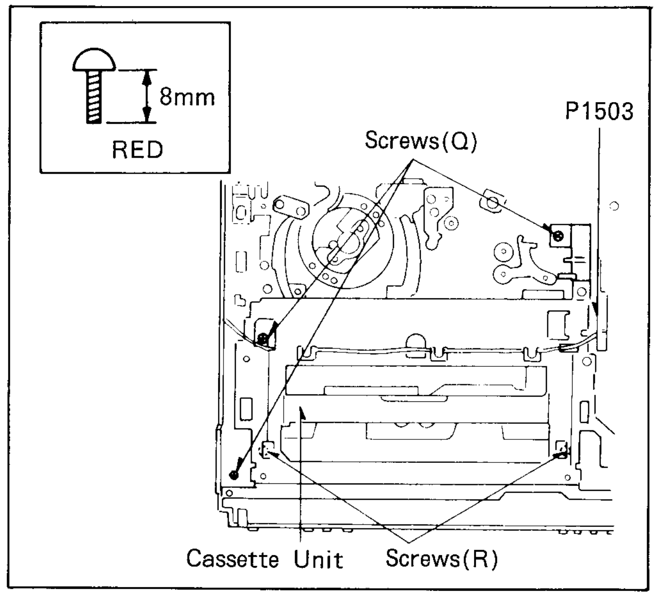

8mm
RED
Screws(Q)
P1503
Cassette Unit
Screws(R)

Fig. D9

Remove the 3 screws(Q).
Slide the cassette holder until appearing 2 screws(R) by turning (clockwise) the Capstan Rotor Unit (located in the bottom side as shown in Fig. D10) and remove the 2 screws(R).
Remove the wire cable from connector P1503 mounted on Take-up Photo Tr. C.B.A., then carefully pull out the Cassette Compartment.

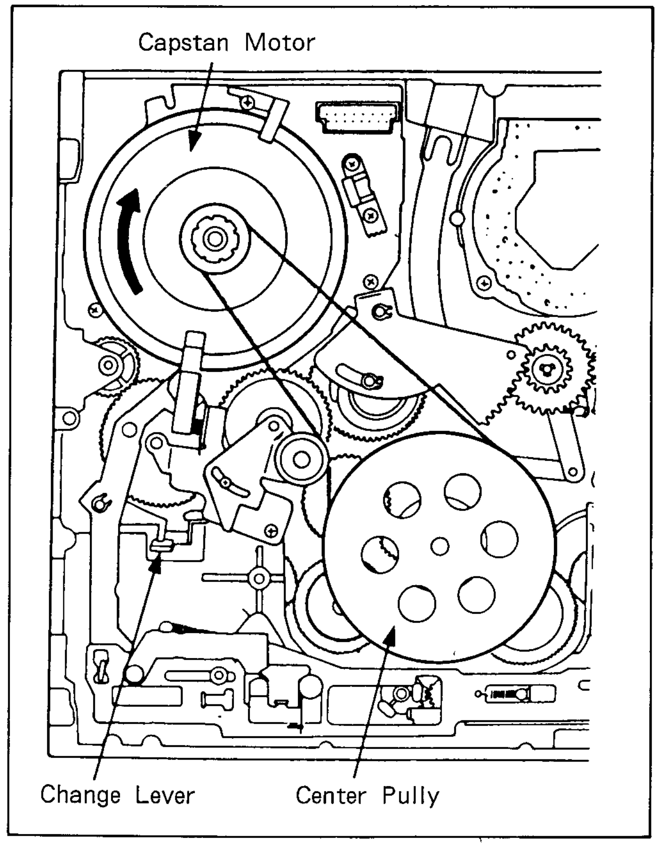

Capstan Motor
Change Lever
Center Pully

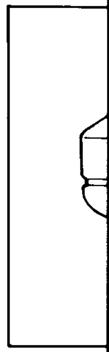
Fig. D10

NOTE:
When
mechan
perforn
Manua
No. V
adjustr

2-1-3.H

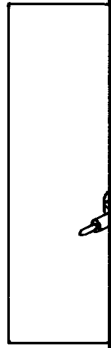
1.Remov

Turn th
and pull
D11.

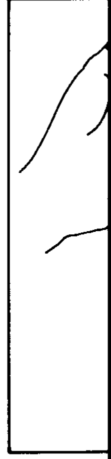


2.Remov

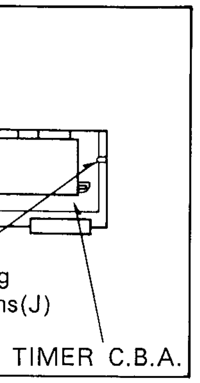
Press th
arrow a
Then tak



3.Remov



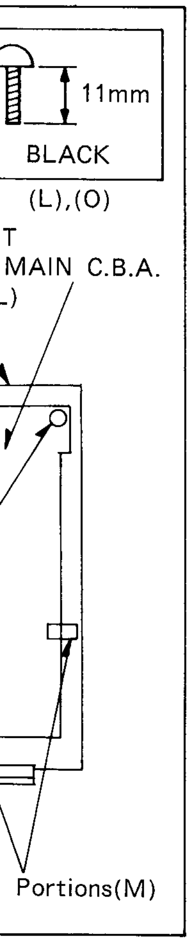
AND OPERATION



g
ns(J)
TIMER C.B.A.

.A.

ND POWER



11mm
BLACK
(L),(O)
T
MAIN C.B.A.
-)
Portions(M)

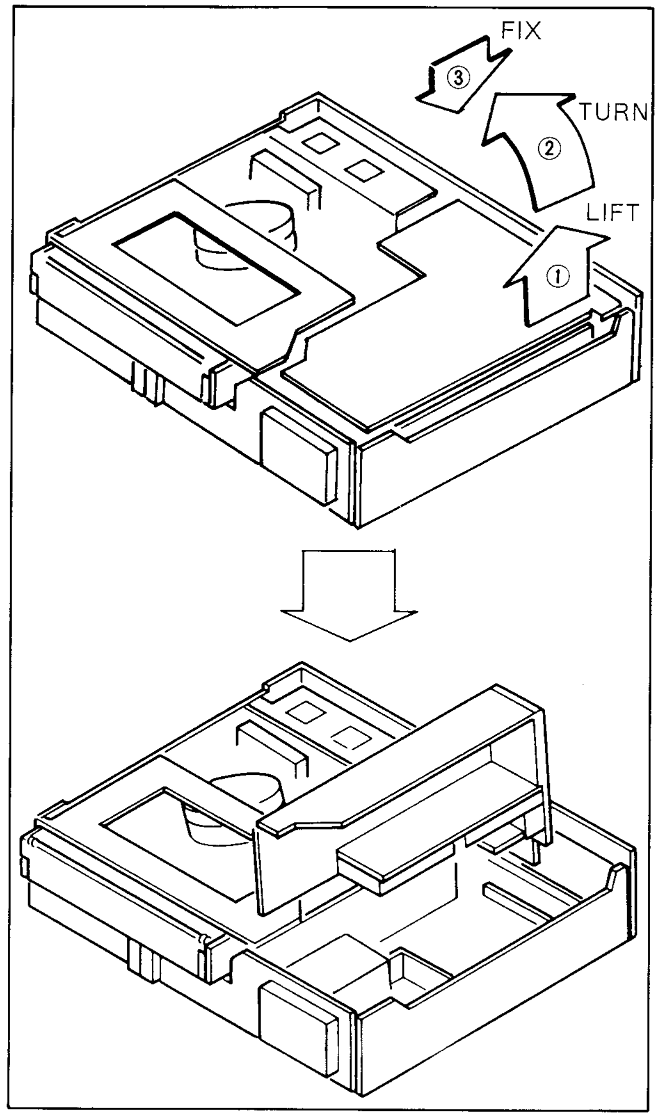
REMOVAL OF THE MAIN C.B.A.

Remove ... 3 Screws(K) and 2 Screws(L)
Unlock ... 2 Locking Portions(M)

REMOVAL OF THE POWER SUPPLY UNIT

Remove ... Screw(N) and 2 Screws(O)

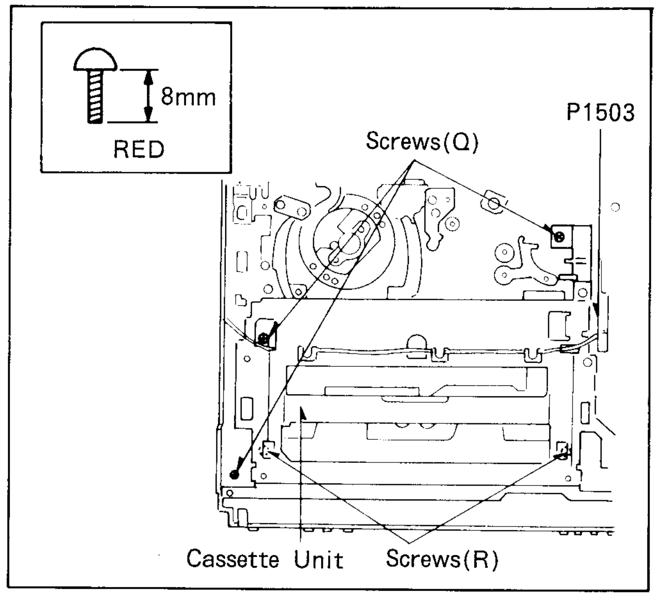
7.SERVICING



③ FIX
② TURN
① LIFT

Fig. D8

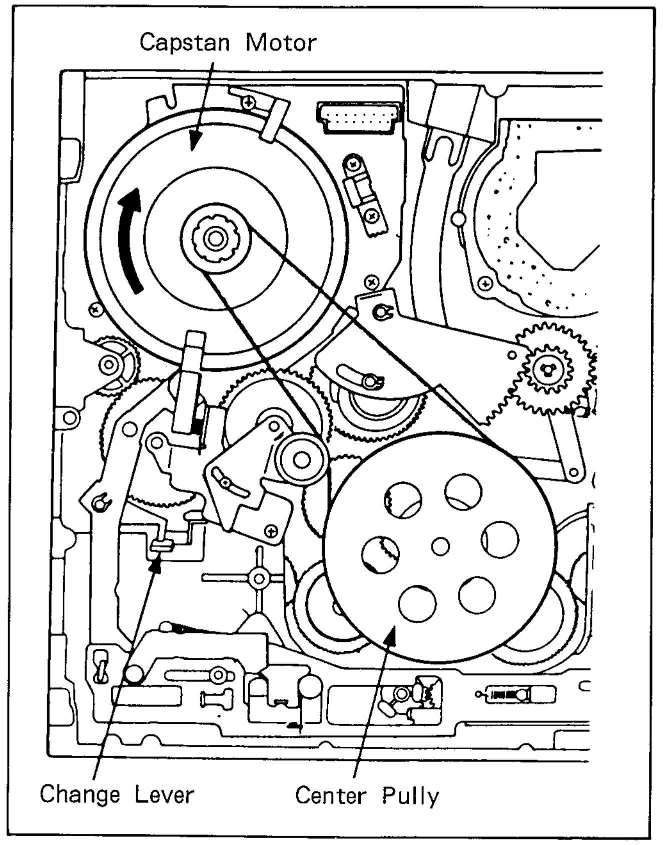
8. REMOVAL OF THE CASSETTE COMPARTMENT



8mm
RED
Screws(Q)
P1503
Cassette Unit
Screws(R)

Fig. D9

Remove the 3 screws(Q).
Slide the cassette holder until appearing 2 screws(R) by turning (clockwise) the Capstan Rotor Unit (located in the bottom side as shown in Fig. D10) and remove the 2 screws(R).
Remove the wire cable from connector P1503 mounted on Take-up Photo Tr. C.B.A., then carefully pull out the Cassette Compartment.



Capstan Motor
Change Lever
Center Pully

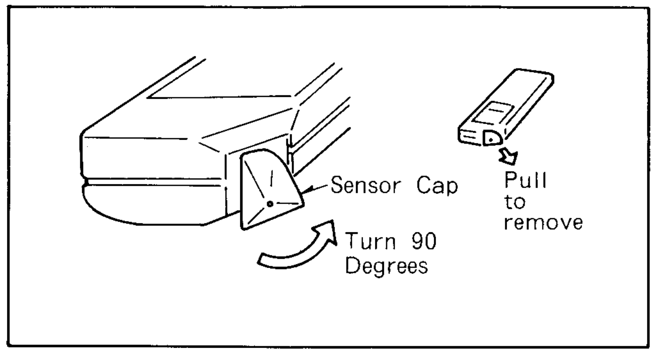
Fig. D10

NOTE:
When restalling the Cassette Compartment, mechanical adjustment (alignment) must be performed for correct working refer to Service Manual (G Mechanical Chassis) (Order No. VRD8901M101 item 2-3-13. mechanical adjustment (alignment).

2-1-3.How to open the Remote Control Unit

1.Removal of the sensor cap.

Turn the sensor cap counterclockwise(90 degrees) and pull the sensor cap to remove as shown in Fig D11.

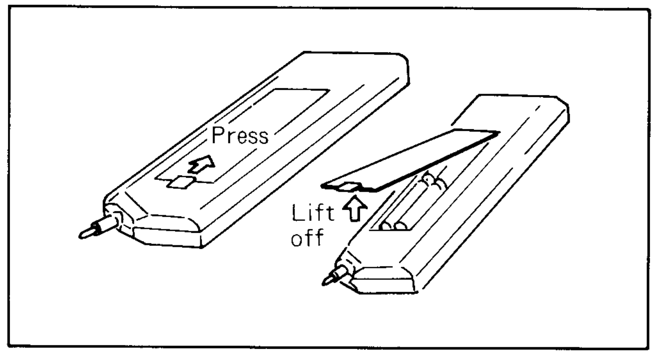


Sensor Cap
Pull to remove
Turn 90 Degrees

Fig.D11

2.Removal of the Battery Cover

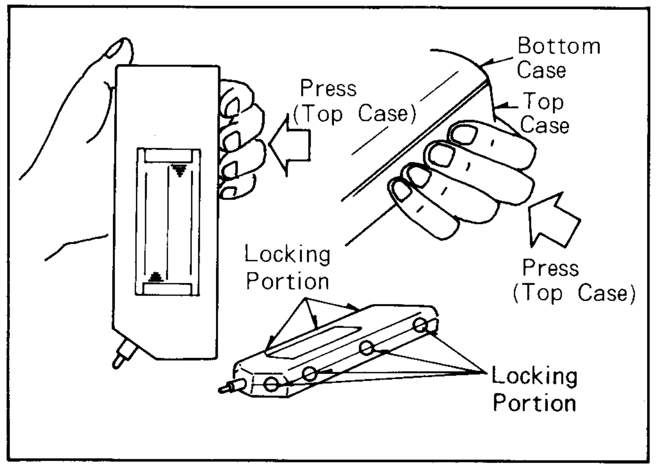
Press the part of battery cover indicated by the arrow and lift off the cover.
Then take out batteries.



Press
Lift off

Fig.D12

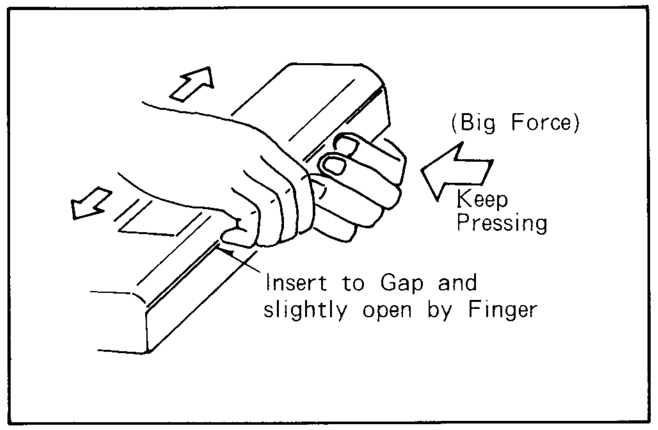
3.Removal of the bottom case.



Bottom Case
Press (Top Case)
Top Case
Locking Portion
Press (Top Case)
Locking Portion

Fig.D13

Press the side of Top case with left hand as shown in Fig.D13 by big force so that the top case is bending.
Then insert your finger of right hand to gap between top case and bottom case while keep pressing by your left hand as shown in Fig.D14.



(Big Force)
Keep Pressing
Insert to Gap and slightly open by Finger

Fig.D14

First slightly open the bottom case by your inserted right hand and move your right hand to extend the open portion.
When unlock the 3 locking portion(refer to Fig.D13),the bottom case is removed easily.
If you can not open,please try opposite side with same way.

4.Removal of the sensor C.B.A.

Remove 2 screws as shown in Fig.D15.

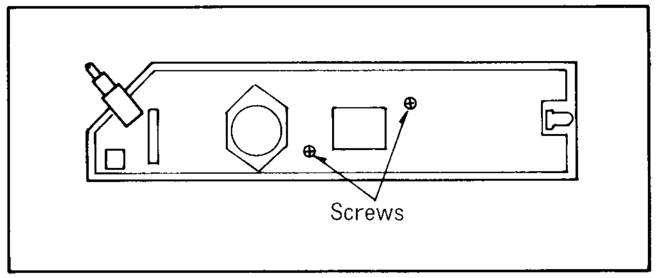
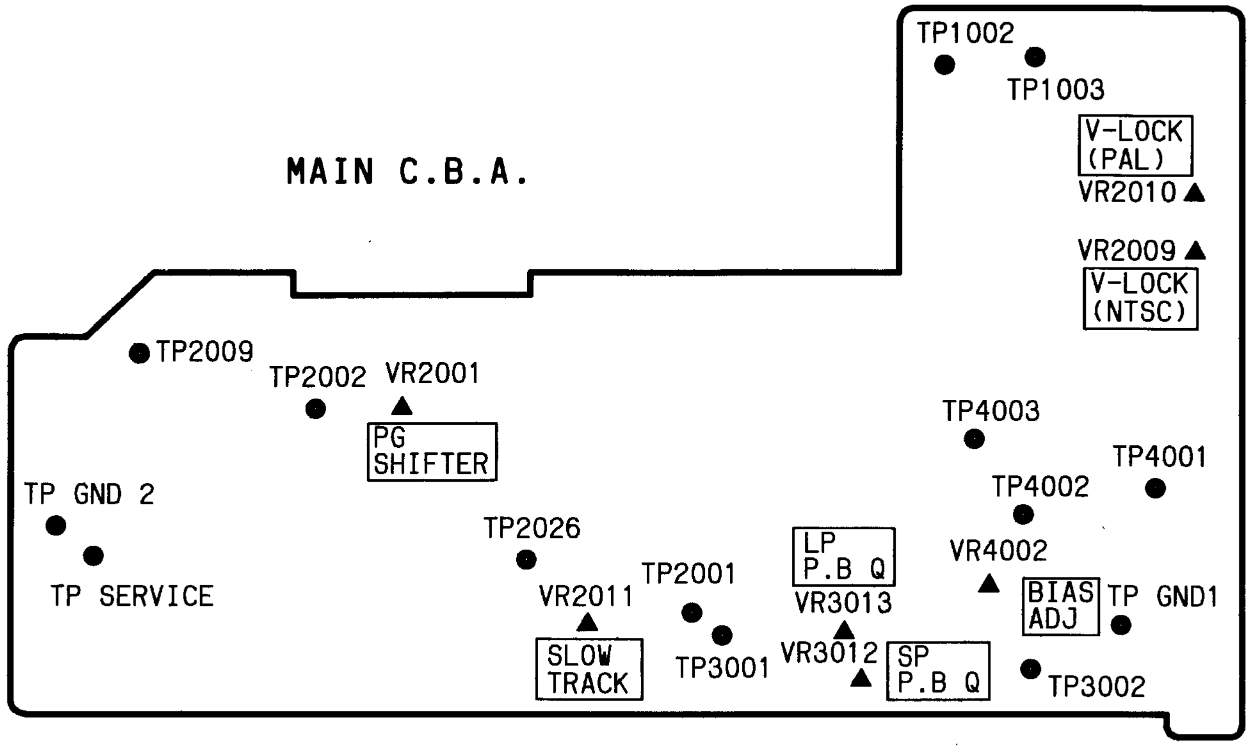


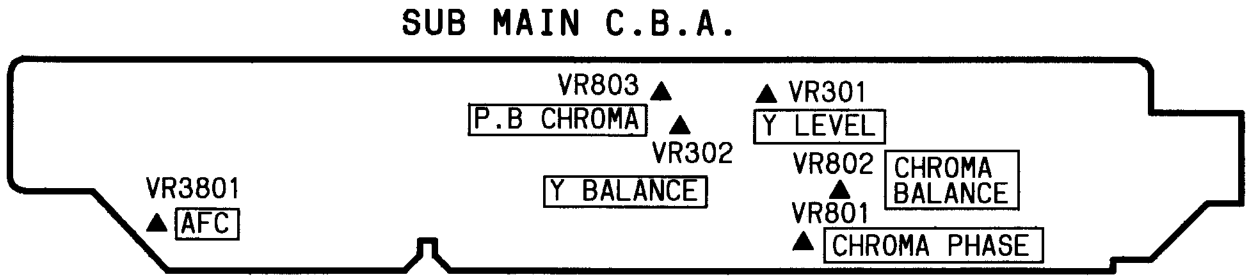
Fig.D15

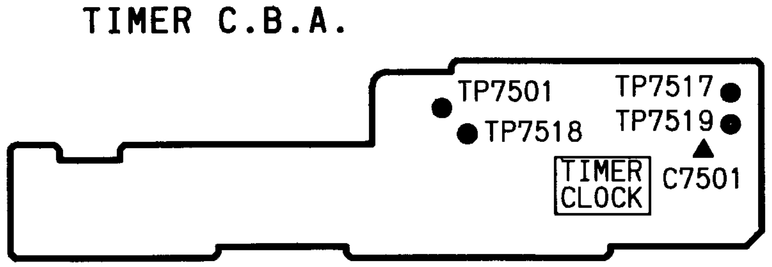
2-2. MECHANICAL ADJUSTMENT PROCEDURES

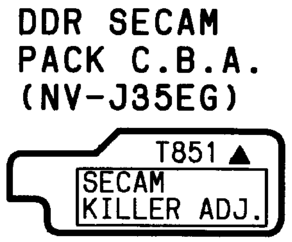
This mechanical chassis of these models NV-J35EG/B is the same as G-REV. Mechanical Chassis.
Therefore please refer to the Service Manual G-REV. Mechanical Chassis (Order No. VRD8901M101).

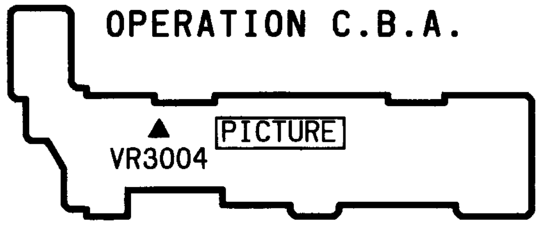
LOCATION OF TEST POINTS & CONTROLS

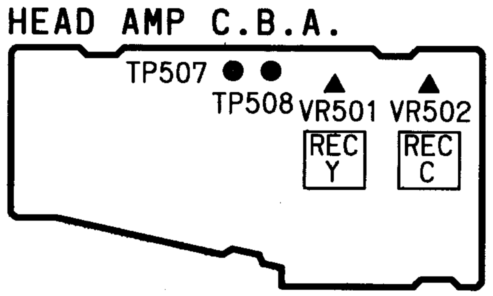

MAIN C.B.A.
TP1002
TP1003
V-LOCK (PAL)
VR2010
VR2009
V-LOCK (NTSC)
TP2009
TP2002
VR2001
PG SHIFTER
TP4003
TP4001
TP4002
TP GND 2
TP SERVICE
TP2026
VR2011
SLOW TRACK
TP2001
TP3001
LP P.B Q
VR3013
VR3012
SP P.B Q
VR4002
BIAS ADJ
TP GND1
TP3002


SUB MAIN C.B.A.
VR803
P.B CHROMA
VR302
VR301
Y LEVEL
VR802
CHROMA BALANCE
VR801
CHROMA PHASE
Y BALANCE
VR3801
AFC

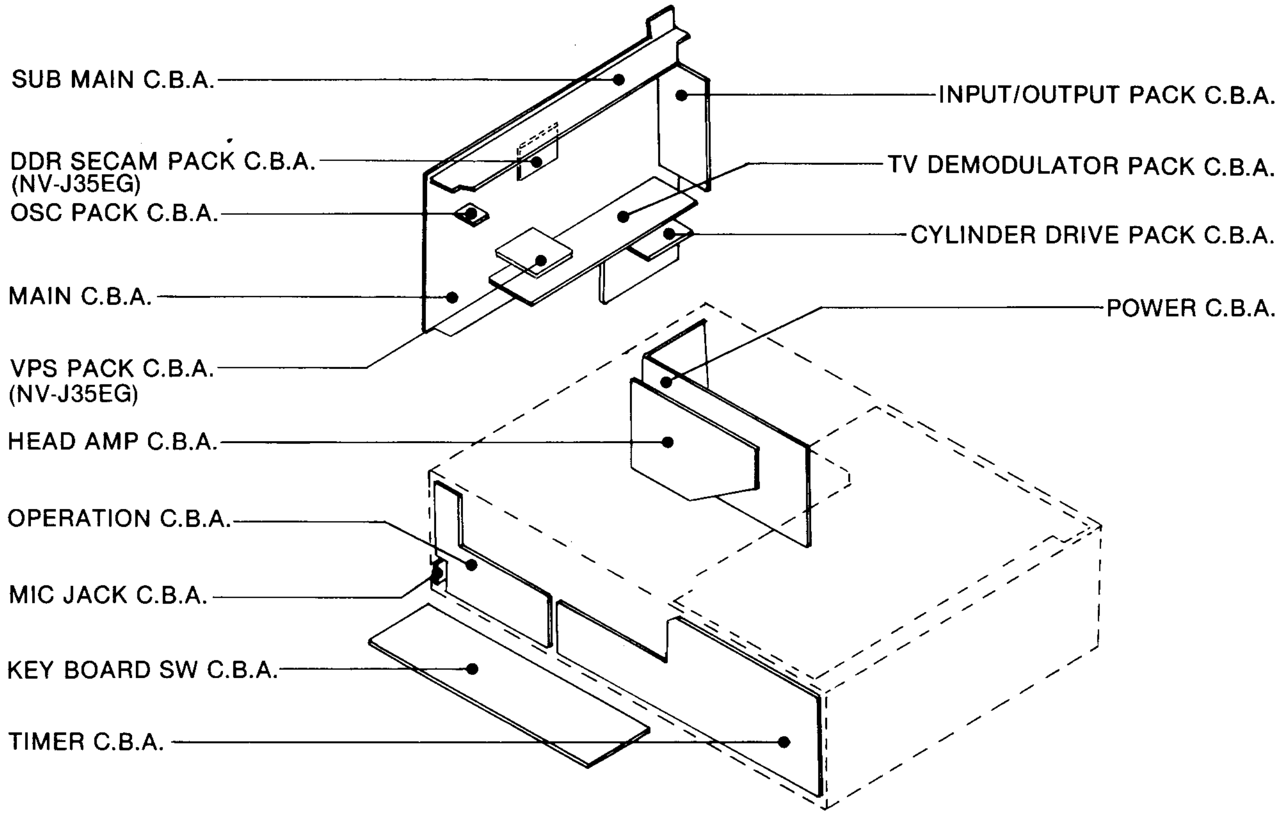

TIMER C.B.A.
TP7501
TP7518
TP7517
TP7519
TIMER CLOCK
C7501


DDR SECAM PACK C.B.A. (NV-J35EG)
T851
SECAM KILLER ADJ.


OPERATION C.B.A.
VR3004
PICTURE


HEAD AMP C.B.A.
TP507
TP508
VR501
VR502
REC Y
REC C

CIRCUIT BOARD LAYOUT


SUB MAIN C.B.A.
DDR SECAM PACK C.B.A. (NV-J35EG)
OSC PACK C.B.A.
MAIN C.B.A.
VPS PACK C.B.A. (NV-J35EG)
HEAD AMP C.B.A.
OPERATION C.B.A.
MIC JACK C.B.A.
KEY BOARD SW C.B.A.
TIMER C.B.A.
INPUT/OUTPUT PACK C.B.A.
TV DEMODULATOR PACK C.B.A.
CYLINDER DRIVE PACK C.B.A.
POWER C.B.A.

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which may be required for electronic circuits of VHS Video Cassette Recorders NV-J35EG/B.

2-3-1. TEST EQUIPMENTS

To perform the electrical adjustments completely, following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage Range: 0.001～50V
2. Dual-Trace Oscilloscope
   Voltage Range: 0.005～50V/div.
   Frequency Range: DC～30MHz
   Probes: 10:1 or 1:1
3. Universal Counter
4. Signal Generator (Sinewave)
   Frequency Range: 0～500KHz
5. Video Sweep Generator
   Frequency Range: 0～10MHz
6. Colour Monitor TV
7. Plastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)

2-3-2. HOW TO READ THE ADJUSTMENT PROCEDURES

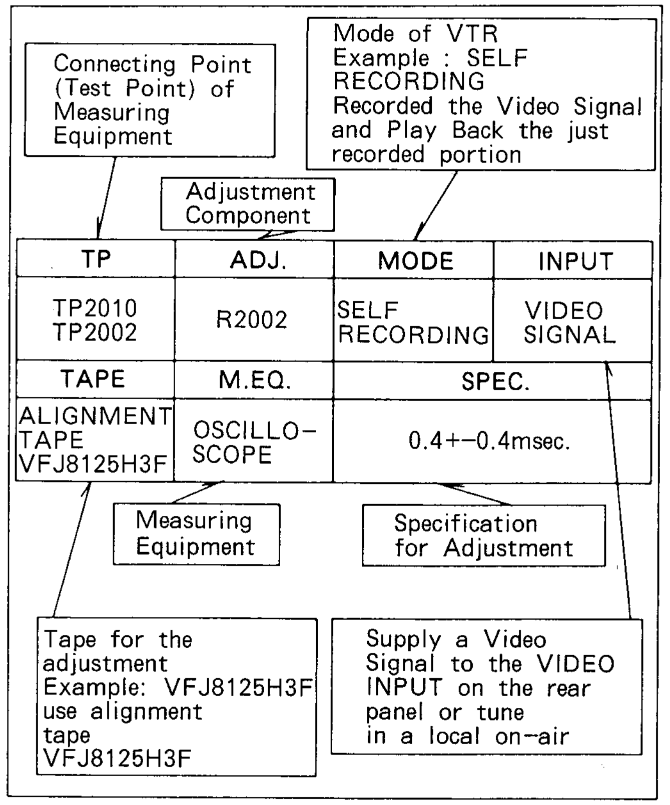
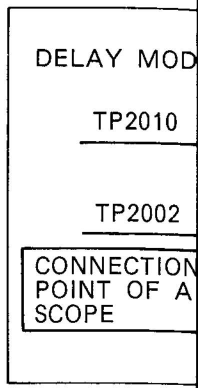

Connecting Point (Test Point) of Measuring Equipment
Mode of VTR Example : SELF RECORDING Recorded the Video Signal and Play Back the just recorded portion
Adjustment Component
TP
ADJ.
MODE
INPUT
TP2010 TP2002
R2002
SELF RECORDING
VIDEO SIGNAL
TAPE
M.EQ.
SPEC.
ALIGNMENT TAPE VFJ8125H3F
OSCILLO-SCOPE
0.4+-0.4msec.
Measuring Equipment
Specification for Adjustment
Tape for the adjustment Example: VFJ8125H3F use alignment tape VFJ8125H3F
Supply a Video Signal to the VIDEO INPUT on the rear panel or tune in a local on-air

Fig. E1


DELAY MOD
TP2010
TP2002
CONNECTION POINT OF A SCOPE

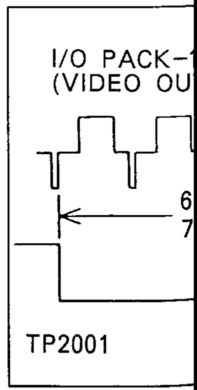
NOTE:
Before the VTR as especial ins

1) Picture Position
2) Test Signal
3) Noise Filte
4) Digital Tra
5) RF Level S
6) Channel Sel Buttons.

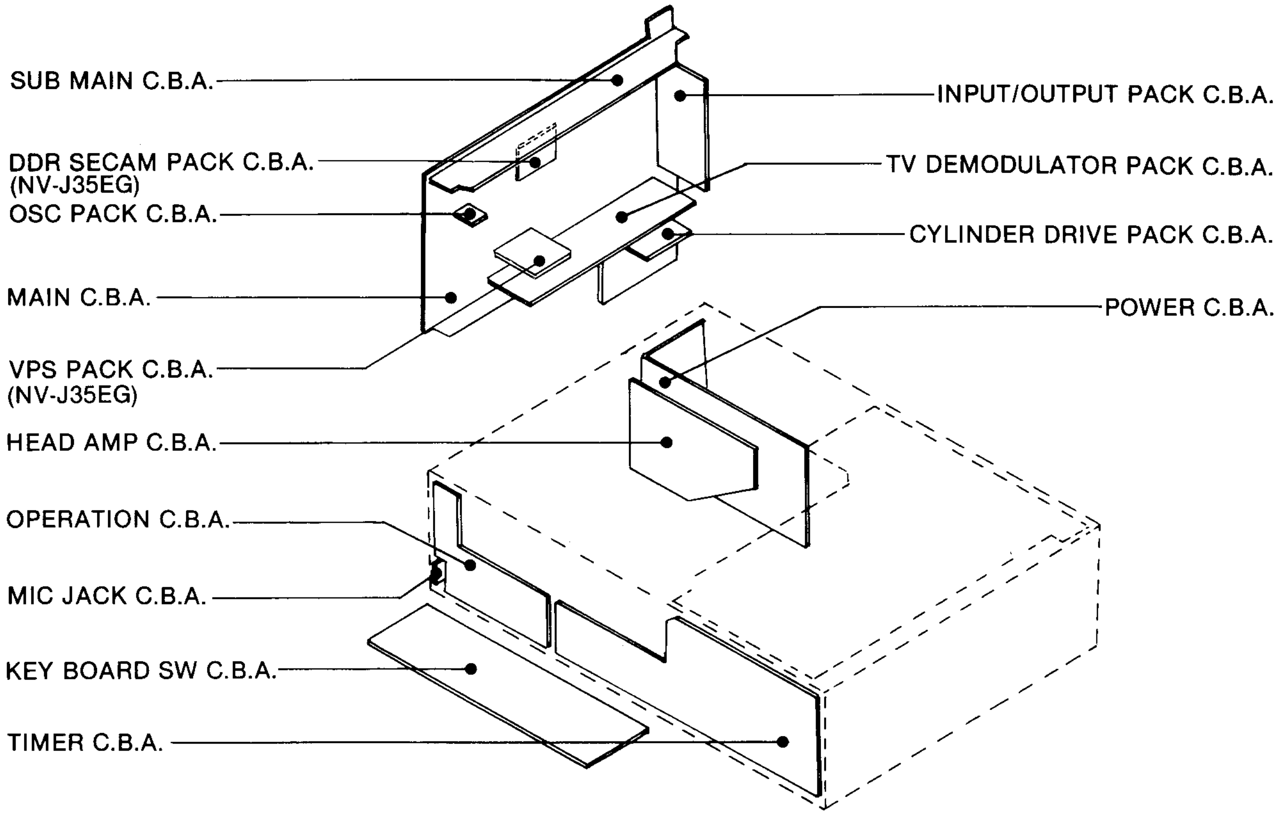
SERVO SE

2-3-3. PG SHI

TP
TP2001 I/O PACK-13 (VIDEO OUT)
TAPE
ALIGNMENT TAPE VFJ8125H3F


I/O PACK-
(VIDEO OU
TP2001

CIRCUIT BOARD LAYOUT


SUB MAIN C.B.A.
DDR SECAM PACK C.B.A. (NV-J35EG)
OSC PACK C.B.A.
MAIN C.B.A.
VPS PACK C.B.A. (NV-J35EG)
HEAD AMP C.B.A.
OPERATION C.B.A.
MIC JACK C.B.A.
KEY BOARD SW C.B.A.
TIMER C.B.A.
INPUT/OUTPUT PACK C.B.A.
TV DEMODULATOR PACK C.B.A.
CYLINDER DRIVE PACK C.B.A.
POWER C.B.A.

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which may be required for electronic circuits of VHS Video Cassette Recorders NV-J35EG/B.

2-3-1. TEST EQUIPMENTS

To perform the electrical adjustments completely, following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage Range: 0.001~50V
2. Dual-Trace Oscilloscope
   Voltage Range: 0.005~50V/div.
   Frequency Range: DC~30MHz
   Probes: 10:1 or 1:1
3. Universal Counter
4. Signal Generator (Sinewave)
   Frequency Range: 0~500KHz
5. Video Sweep Generator
   Frequency Range: 0~10MHz
6. Colour Monitor TV
7. Plastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)

2-3-2. HOW TO READ THE ADJUSTMENT PROCEDURES

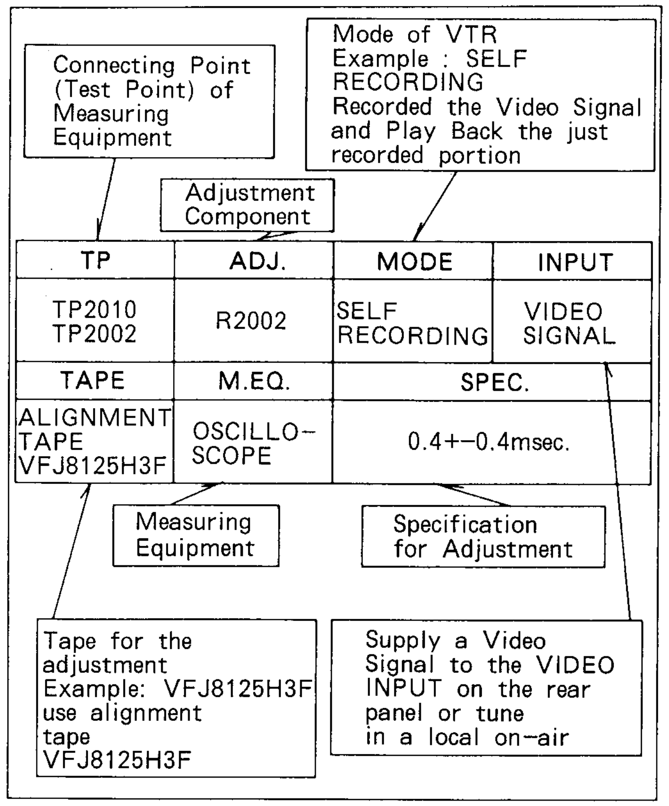

Connecting Point (Test Point) of Measuring Equipment
Mode of VTR Example : SELF RECORDING Recorded the Video Signal and Play Back the just recorded portion
Adjustment Component
TP
ADJ.
MODE
INPUT
TP2010
TP2002
R2002
SELF RECORDING
VIDEO SIGNAL
TAPE
M.EQ.
SPEC.
ALIGNMENT TAPE VFJ8125H3F
OSCILLO-SCOPE
0.4+-0.4msec.
Measuring Equipment
Specification for Adjustment
Tape for the adjustment Example: VFJ8125H3F use alignment tape VFJ8125H3F
Supply a Video Signal to the VIDEO INPUT on the rear panel or tune in a local on-air

Fig. E1

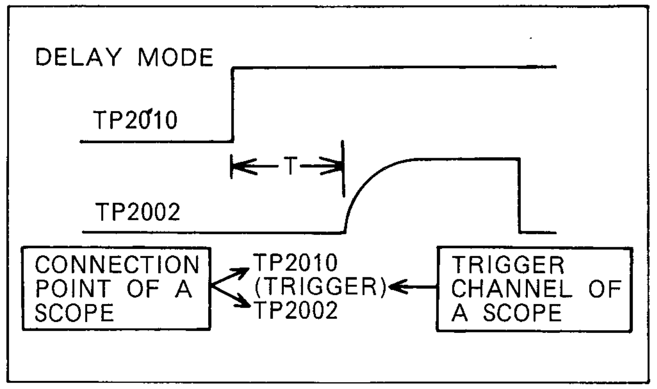

DELAY MODE
TP2010
T
TP2002
CONNECTION POINT OF A SCOPE
TP2010 (TRIGGER)
TP2002
TRIGGER CHANNEL OF A SCOPE

Fig. E2

NOTE:

Before the electrical adjustment, set the VHS VTR as following conditions except for especial instructions in each adjustment item.

1) Picture Sharpness Control...Centre Fix Position
2) Test Signal Switch...OFF Position
3) Noise Filter/Edit Switch...OFF Position
4) Digital Tracking On/Off Switch...ON Position
5) RF Level Switch...HIGH Position.
6) Channel Selection Up and...AV Mode (CH 0) Down Buttons.

SERVO SECTION

2-3-3. PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2001 I/O PACK-13 (VIDEO OUT)	VR2001	PLAY	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE VFJ8125H3F	OSCILLO-SCOPE	6.5+-0.5H(NV-J35EG) 7.0+-0.5H(NV-J35B)	

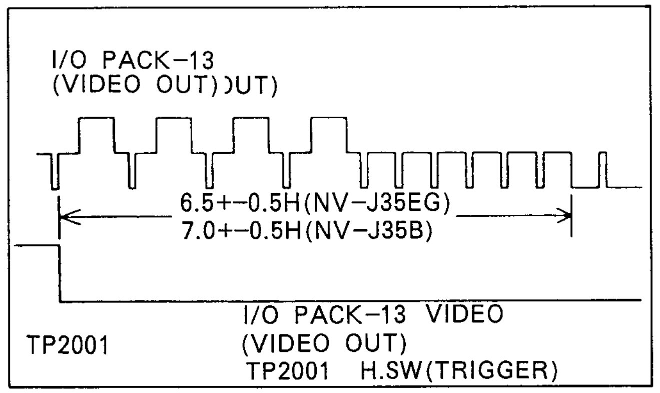

I/O PACK-13 (VIDEO OUT))UT)
6.5+-0.5H(NV-J35EG)
7.0+-0.5H(NV-J35B)
TP2001
I/O PACK-13 VIDEO (VIDEO OUT)
TP2001 H.SW(TRIGGER)

Fig. E3

2-3-4. ARTIFICIAL V-SYNC ADJUSTMENT

TP	ADJ.	MODE	INPUT
	VR2010	SELF RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	TV MONITOR		

1. Playback the just recorded portion and place the deck in STILL mode.
2. Adjust the VR2010 so that the V-dancing does not appear on the TV monitor screen.

2-3-5. SLOW TRACKING ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2002 TP2020	VR2011(SP)	SLOW	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	20+-2 (msec) (SP)	

1. Connect the Oscilloscope to TP2002 and TP2020.
2. Set the Slow Tracking VR to Fix position.
3. Record the Colour Bar in SP Mode and playback the just recorded portion.
4. Adjust VR2011 so that the phase difference becomes 20+-2 (msec) as shown in Fig. E4.

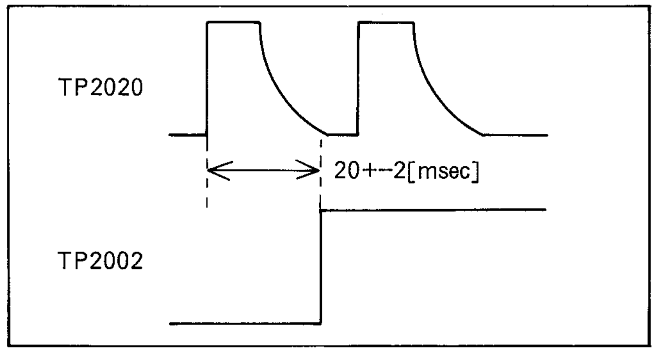

TP2020
20+-2[msec]
TP2002

Fig. E4

2-3-6.ARTIFICIAL V-SYNC FOR ARTIFICIAL NTSC ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2009	SP STILL	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	MONITOR	NO V-DANCING	

1.Playback the NTSC recorded tape and place the un it in STILL mode.
2.Adjust VR2009 so that the V-Dancing does not appear on the monitor screen.

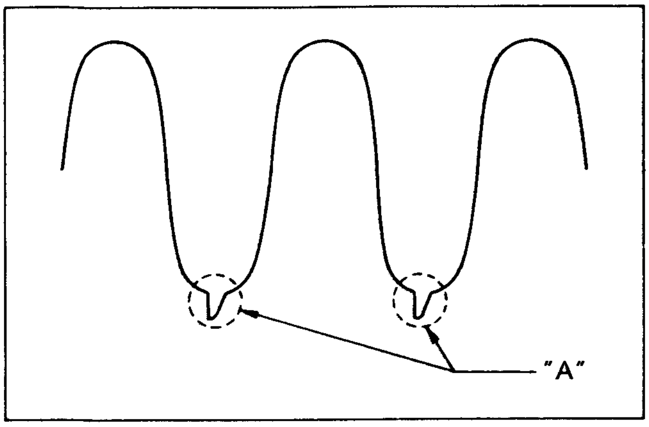


Fig. E12

AUDIO SECTION

2-3-14. AUDIO BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4002(+) TP4003(-)	VR4002	RECORDING	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M.	2.7+-0.1mVrms	

TIMER SECTION

NOTE: Do not connect the AC power plug.

2-3-15.TIMER REFERENCE CLOCK ADJUSTMENT

(NV-J35EG)

TP	ADJ.	MODE	INPUT
TP7501	C7501		
TAPE	**M. EQ.**	**SPEC.**	
	UNIVERSAL COUNTER	7812.5+-0.015us	

1. Connect a jumper wire between P7501-10 and 11.
2. Connect a jumper wire between P7501-8 and GND.

(NV-J35B)

TP	ADJ.	MODE	INPUT
TP7501	C7501		
TAPE	**M. EQ.**	**SPEC.**	
	UNIVERSAL COUNTER	488.2812+-0.001us	

1. Connect a jumper wire between P7501-10 and 11.
2. Connect a jumper wire between P7501-8 and GND.
3. Connect a diode(MA165) between IC7501-36 and 56.

Memo

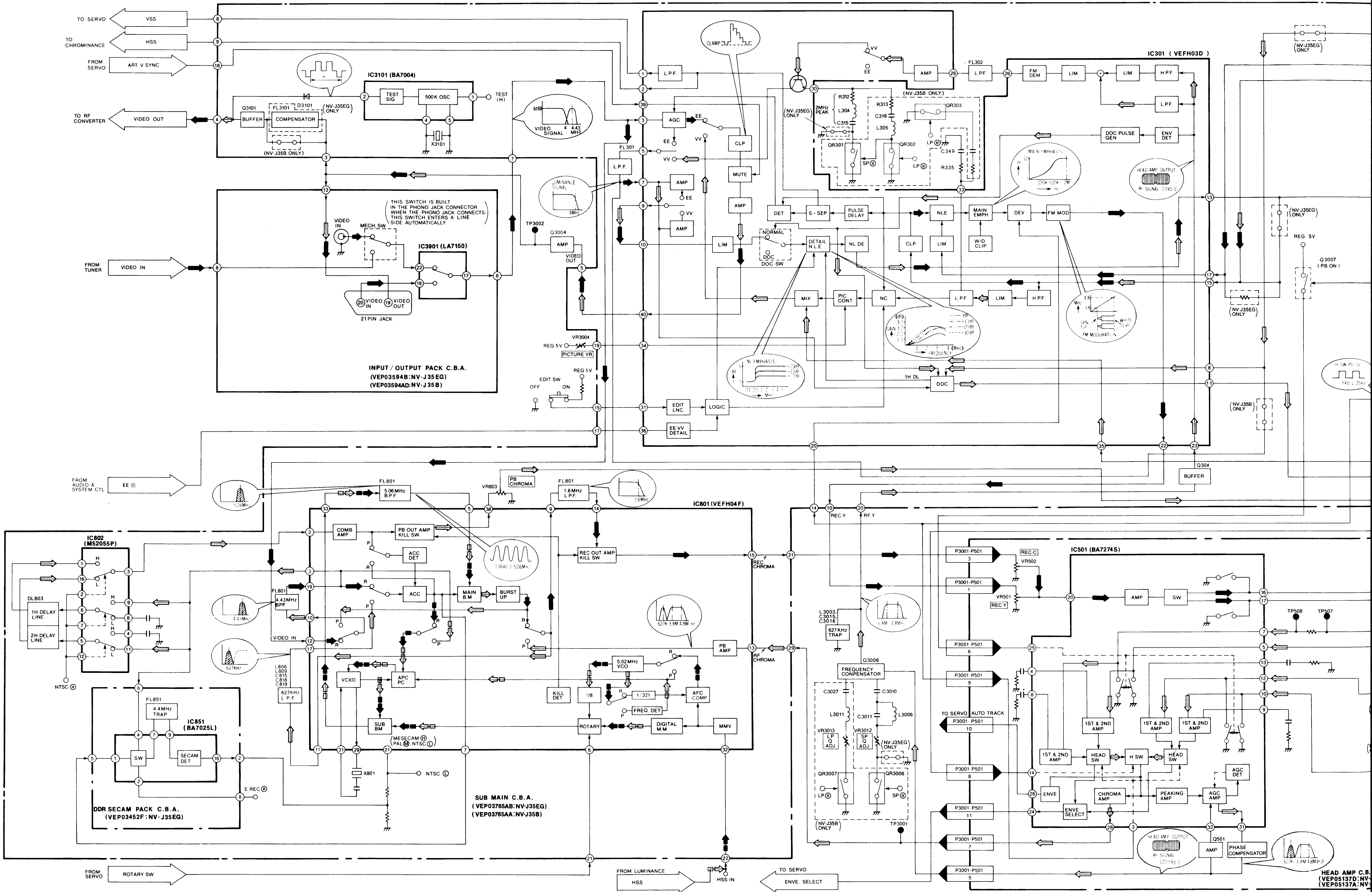
SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. LUMINANCE & CHROMINANCE BLOCK DIAGRAM

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE

5.06MHz PHASE

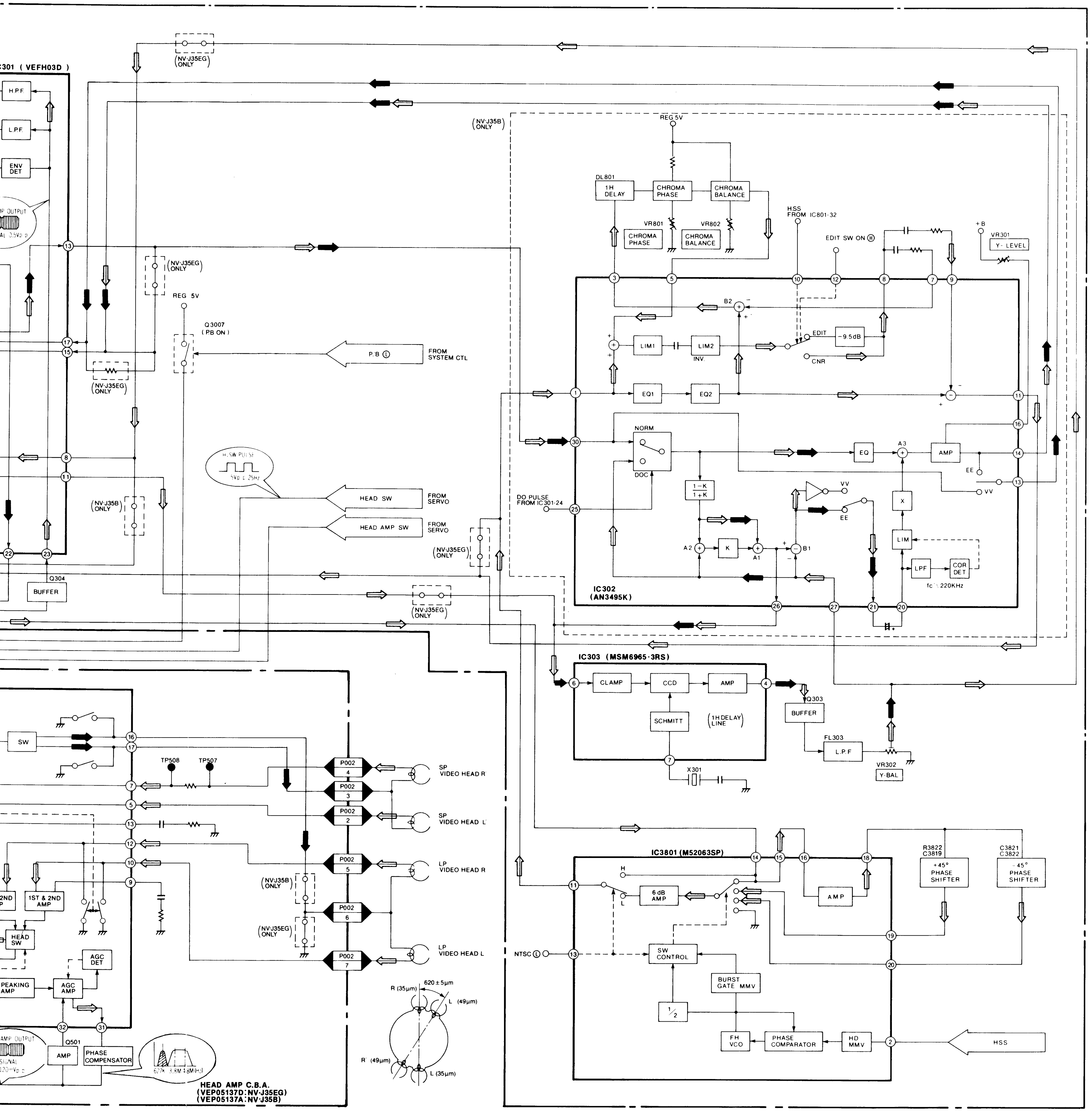
5.06MHz PHASE



TO SERVO
VSS
TO CHROMINANCE
HSS
FROM SERVO
ART V SYNC
TO RF CONVERTER
VIDEO OUT
BUFFER
Q3101
FL3101
D3101
COMPENSATOR
(NV-J35EG) ONLY
(NV-J35B ONLY)
IC3101 (BA7004)
TEST SIG
500K OSC
X3101
TEST (H)
VIDEO SIGNAL
THIS SWITCH IS BUILT IN THE PHONO JACK CONNECTOR WHEN THE PHONO JACK CONNECTS. THIS SWITCH ENTERS A LINE SIDE AUTOMATICALLY.
VIDEO IN
MECH SW
IC3901 (LA7150)
FROM TUNER
VIDEO IN
21 PIN JACK
INPUT / OUTPUT PACK C.B.A.
(VEP03594B:NV-J35EG)
(VEP03594AD:NV-J35B)
TP3002
Q3004
AMP
VIDEO OUT
VR3004
REG 5V
PICTURE VR
EDIT SW
OFF
ON
FL301
L.P.F
AGC
EE
VV
CLP
MUTE
AMP
LIM
DET
S・SEP
PULSE DELAY
NORMAL
DOC
DOC SW
DETAIL N.L.E
NL DE
MIX
PIC CONT
NC
EDIT LNC
LOGIC
EE-VV DETAIL
1H DL
DOC
NLE
MAIN EMPH
DEV
FM MOD
CLP
LIM
W/D CLIP
L.P.F
LIM
H.P.F
N.L EMPHASIS
MAIN EMPHASIS
FM MODULATION
FL302
L.P.F
FM DEM
LIM
H.P.F
DOC PULSE GEN
ENV DET
HEAD AMP OUTPUT
IC301 (VEFH03D)
AMP
2MHz PEAK
R312
L304
C315
R313
C316
L305
QR301
QR302
QR303
C349
R335
SP
LP
(NV-J35B ONLY)
(NV-J35EG) ONLY
Q304
BUFFER
REG 5V
Q3007 (PB ON)
(NV-J35EG) ONLY
(NV-J35B) ONLY
H.SW PULSE
FROM AUDIO & SYSTEM CTL
EE
FL801
5.06MHz B.P.F
VR803
PB CHROMA
1.6MHz L.P.F
IC801 (VEFH04F)
COMB AMP
PB OUT AMP KILL SW
ACC DET
ACC
MAIN B.M
BURST UP
REC OUT AMP KILL SW
REC CHROMA
PB AMP
RF CHROMA
4.43MHz BPF
VIDEO IN
VCXO
APC PC
5.02MHz VCO
1/8
1/321
FREQ DET
AFC COMP
KILL DET
SUB BM
ROTARY
DIGITAL M.M
MMV
MESECAM
PAL
NTSC
X801
NTSC
627KHz L.P.F
L806 L809 C815 C818 C819
IC802 (M52055P)
DL803
1H DELAY LINE
2H DELAY LINE
NTSC
FL851
4.4MHz TRAP
IC851 (BA7025L)
SW
SECAM DET
E REC
DDR SECAM PACK C.B.A.
(VEP03452F:NV-J35EG)
SUB MAIN C.B.A.
(VEP03765AB:NV-J35EG)
(VEP03765AA:NV-J35B)
FROM SERVO
ROTARY SW
FROM LUMINANCE
HSS
HSS IN
TO SERVO
ENVE SELECT
REC Y
RF Y
L3003, C3015, C3016
627KHz TRAP
Q3006
FREQUENCY COMPENSATOR
C3027
C3010
L3011
C3011
L3006
VR3013 LP Q ADJ
VR3012 SP Q ADJ
(NV-J35EG) ONLY
QR3007
QR3006
LP
SP
(NV-J35B) ONLY
TP3001
P3001-P501
REC C
VR502
VR501
REC Y
TO SERVO AUTO TRACK
IC501 (BA7274S)
AMP
SW
TP508
TP507
1ST & 2ND AMP
HEAD SW
H SW
AGC DET
ENVE
ENVE SELECT
CHROMA AMP
PEAKING AMP
AGC AMP
Q501
AMP
PHASE COMPENSATOR
HEAD AMP OUTPUT
HEAD AMP C.B.
(VEP05137D:NV-
(VEP05137A:NV-

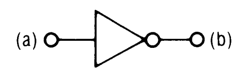
⬅■ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE

⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE


IC301 (VEFH03D)
H.P.F.
L.P.F.
ENV DET
P OUTPUT
AL 0.5Vp-p
(NV-J35EG ONLY)
(NV-J35B ONLY)
REG 5V
Q3007 (P.B ON)
P.B Ⓛ
FROM SYSTEM CTL
H.SW PULSE
5Vp-p 25Hz
HEAD SW
FROM SERVO
HEAD AMP SW
FROM SERVO
Q304
BUFFER
DL801
1H DELAY
CHROMA PHASE
CHROMA BALANCE
VR801
VR802
H.SS FROM IC801-32
EDIT SW ON Ⓗ
+B
VR301
Y-LEVEL
B2
LIM1
LIM2
INV.
EDIT
-9.5dB
CNR
EQ1
EQ2
NORM
DOC
EQ
A3
AMP
EE
VV
DO PULSE FROM IC301-24
1-K / 1+K
A2
K
A1
B1
X
LIM
LPF
COR DET
fc : 220KHz
IC302 (AN3495K)
IC303 (MSM6965-3RS)
CLAMP
CCD
AMP
SCHMITT
(1H DELAY LINE)
X301
Q303
BUFFER
FL303
L.P.F
VR302
Y-BAL
SW
TP508
TP507
P002
SP VIDEO HEAD R
SP VIDEO HEAD L
LP VIDEO HEAD R
LP VIDEO HEAD L
2ND
1ST & 2ND AMP
HEAD SW
AGC DET
PEAKING AMP
AGC AMP
AMP OUTPUT
SIGNAL 120mVp-p
Q501
AMP
PHASE COMPENSATOR
627K 3.8M 4.8M(Hz)
HEAD AMP C.B.A.
(VEP05137D:NV-J35EG)
(VEP05137A:NV-J35B)
620±5μm
R (35μm)
L (49μm)
R (49μm)
L (35μm)
IC3801 (M52063SP)
H
L
6 dB AMP
AMP
R3822 C3819
+45° PHASE SHIFTER
C3821 C3822
-45° PHASE SHIFTER
NTSC Ⓛ
SW CONTROL
BURST GATE MMV
1/2
FH VCO
PHASE COMPARATOR
HD MMV
HSS

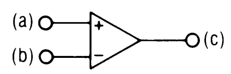
SYMBOL	TRUTH VALUE TABLE

INVERTER



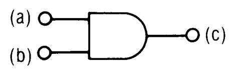
IN	(a)	H	L
OUT	(b)	L	H

COMPARTOR



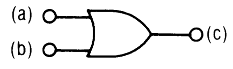
IN	(a) (b)	(a) > (b)	(a) < (b)
OUT	(c)	H	L

AND CIRCUIT



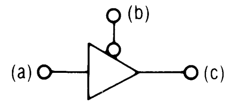
IN	(a)	L	L	H	H
	(b)	L	H	L	H
OUT	(c)	L	L	L	H

OR CIRCUIT



IN	(a)	L	L	H	H
	(b)	L	H	L	H
OUT	(c)	L	H	H	H

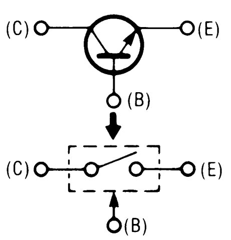
THREE STATES BUFFER



IN	(a)	H	L	H or L
	(b)	L	L	H
OUT	(c)	H	L	※

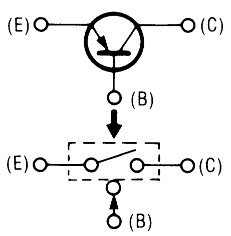
※ High Impedance

TR. SW (NPN TYPE)



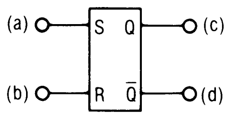
BASE	H	L
TR. SW	ON	OFF

TR. SW (PNP TYPE)



BASE	H	L
TR. SW	OFF	ON

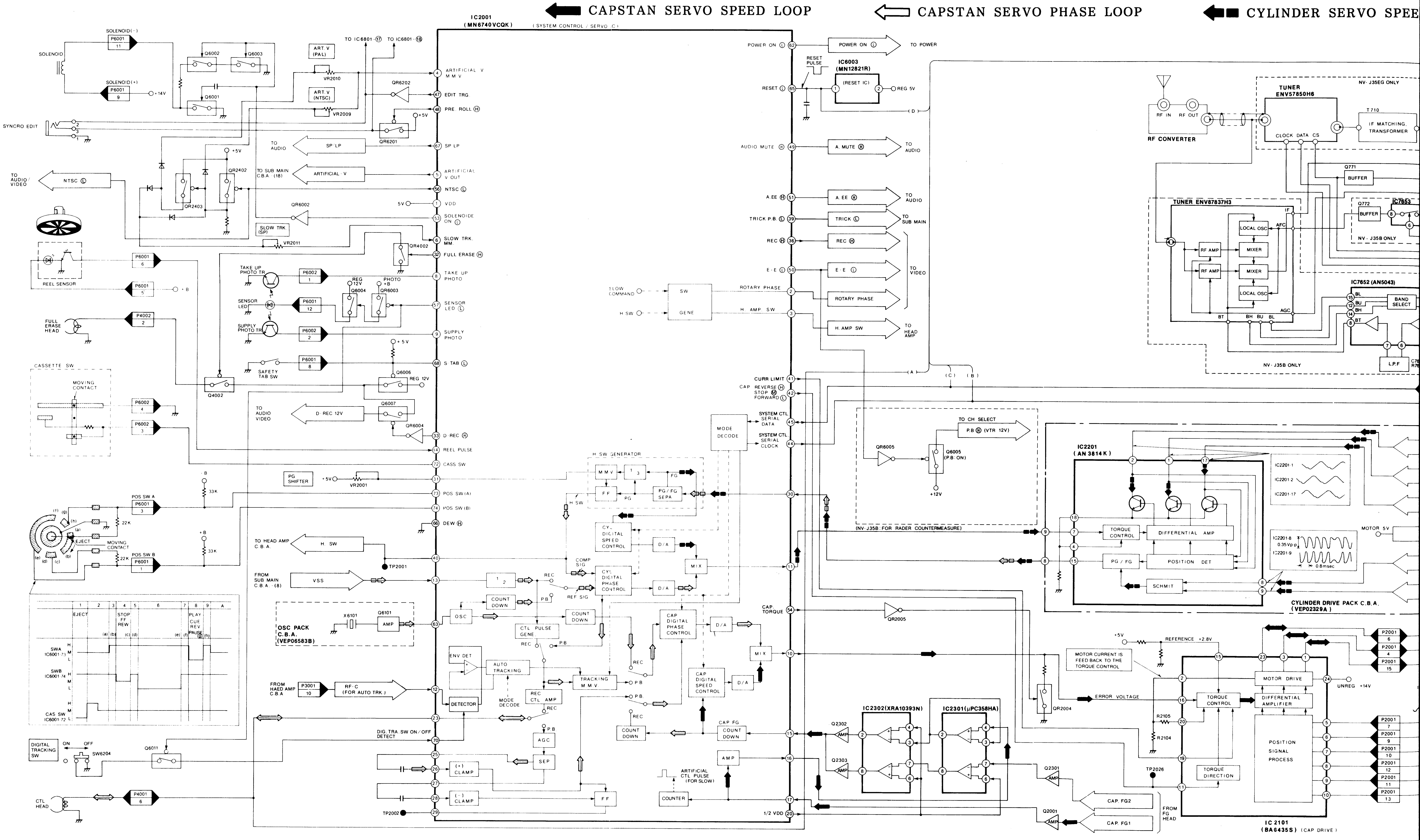
R-S TYPE FLIP-FLOP



IN	(a)	L	L	⎍
	(b)	L	⎍	L
OUT	(c)	※	L	H
	(d)	◆	H	L

※ Initial condition is maintained.
◆ Initial condition is reverced.

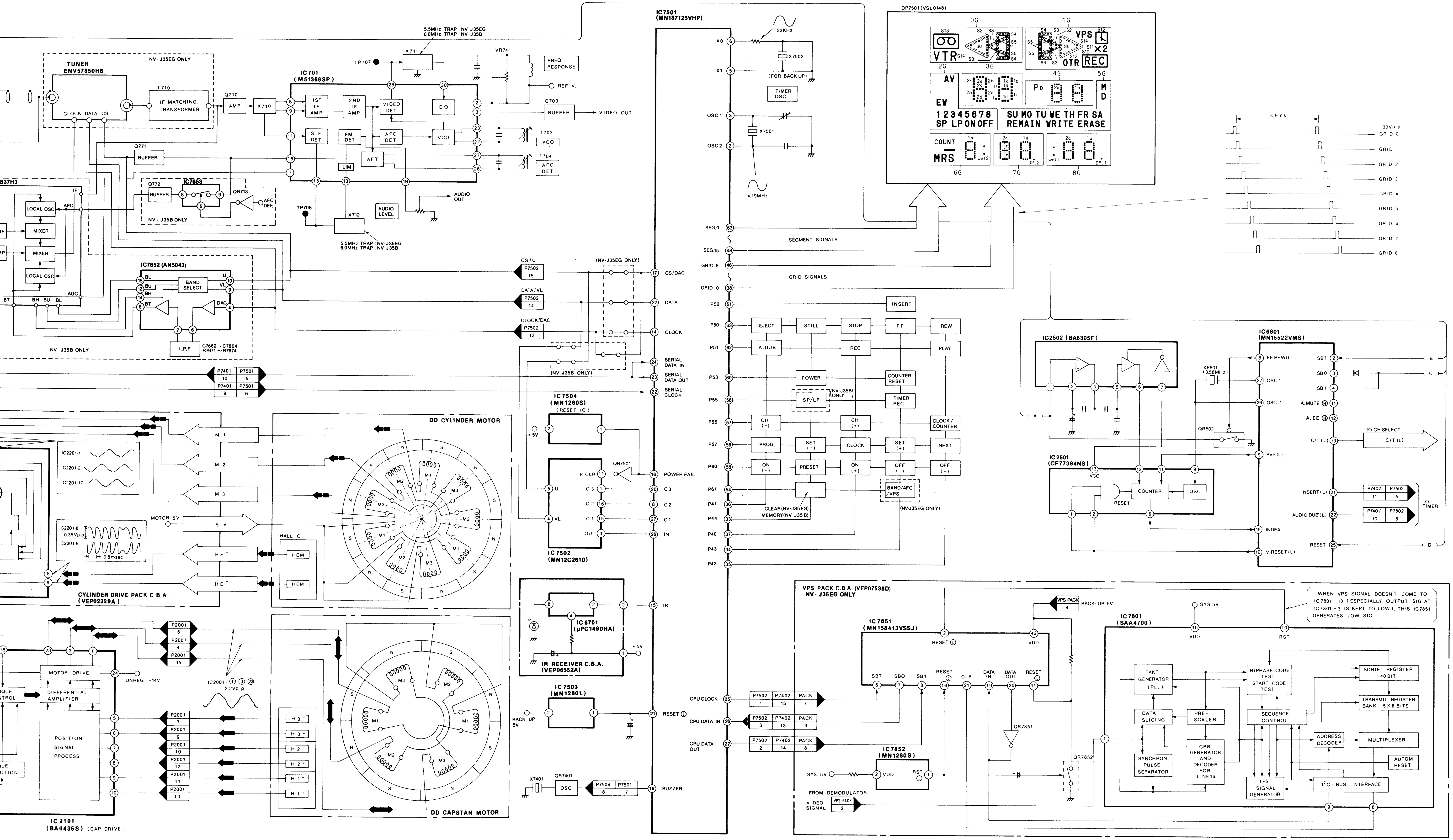
3-2. SYSTEM CONTROL & SERVO BLOCK DIAGRAM


CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEE
IC2001
(MN6740VCQK)
(SYSTEM CONTROL / SERVO IC)
SOLENOID
SOLENOID(−)
SOLENOID(+)
SYNCRO EDIT
Q6002
Q6003
Q6001
ART. V (PAL)
ART. V (NTSC)
VR2010
VR2009
QR6202
QR6201
TO IC6801-⑰
TO IC6801-⑱
ARTIFICIAL V M.M.V
EDIT TRG
PRE ROLL Ⓗ
SP/LP
TO AUDIO
TO SUB MAIN C.B.A (18)
ARTIFICIAL V
ARTIFICIAL V OUT
NTSC Ⓛ
TO AUDIO/VIDEO
QR2402
QR2403
QR6002
VDD
SOLENOIDE ON Ⓛ
SLOW TRK (SP)
VR2011
SLOW TRK. MM
QR4002
FULL ERASE Ⓗ
TAKE UP PHOTO TR
TAKE UP PHOTO
REEL SENSOR
SENSOR LED
SENSOR LED Ⓛ
SUPPLY PHOTO TR
SUPPLY PHOTO
Q6004
Q6003
FULL ERASE HEAD
SAFETY TAB SW
S. TAB Ⓛ
Q6006
Q6007
QR6004
Q4002
D. REC 12V
D. REC Ⓗ
CASSETTE SW
MOVING CONTACT
REEL PULSE
CASS SW
PG SHIFTER
VR2001
POS SW A
POS SW B
POS SW(A)
POS SW(B)
DEW Ⓗ
EJECT
TO HEAD AMP C.B.A
H. SW
TP2001
FROM SUB MAIN C.B.A. (8)
VSS
OSC PACK C.B.A. (VEP06583B)
X6101
Q6101
AMP
OSC
COUNT DOWN
CTL PULSE GENE
ENV DET
AUTO TRACKING
DETECTOR
MODE DECODE
REC CTL AMP
TRACKING M.M.V
FROM HAED AMP C.B.A
P3001
RF-C (FOR AUTO TRK.)
DIG. TRA. SW ON/OFF DETECT
DIGITAL TRACKING SW
SW6204
Q6011
CTL HEAD
P4001
(+) CLAMP
(−) CLAMP
TP2002
AGC
SEP
FF
H. SW GENERATOR
M.M.V
PG/FG SEPA
CYL DIGITAL SPEED CONTROL
CYL DIGITAL PHASE CONTROL
COMP SIG
REF SIG
D/A
MIX
CAP DIGITAL PHASE CONTROL
CAP DIGITAL SPEED CONTROL
CAP FG COUNT DOWN
COUNT DOWN
COUNTER
ARTIFICIAL CTL PULSE (FOR SLOW)
1/2 VDD
POWER ON Ⓛ
TO POWER
RESET PULSE
IC6003 (MN12821R)
(RESET IC)
REG 5V
AUDIO MUTE Ⓗ
A. MUTE Ⓗ
A.EE Ⓗ
TRICK P.B. Ⓛ
TO SUB MAIN
REC Ⓗ
E-E Ⓛ
TO VIDEO
ROTARY PHASE
H. AMP SW
TO HEAD AMP
SLOW COMMAND
SW GENE
CURR LIMIT
CAP REVERSE Ⓗ STOP Ⓜ FORWARD Ⓛ
SYSTEM CTL SERIAL DATA
SYSTEM CTL SERIAL CLOCK
CAP TORQUE
QR2005
TO CH SELECT
P.B Ⓗ (VTR 12V)
QR6005
Q6005 (P.B:ON)
+12V
(NV-J35B: FOR RADER COUNTERMEASURE)
IC2201 (AN3814K)
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
MOTOR 5V
CYLINDER DRIVE PACK C.B.A. (VEP02329A)
0.35Vp-p
0.8msec
IC2302 (XRA10393N)
IC2301 (µPC358HA)
Q2302
Q2303
Q2301
Q2001
QR2004
ERROR VOLTAGE
CAP. FG2
CAP. FG1
FROM FG HEAD
TP2026
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
REFERENCE +2.8V
MOTOR DRIVE
DIFFERENTIAL AMPLIFIER
TORQUE CONTROL
TORQUE DIRECTION
POSITION SIGNAL PROCESS
UNREG +14V
R2105
R2104
IC 2101 (BA6435S) (CAP DRIVE)
P2001
RF IN
RF OUT
RF CONVERTER
TUNER ENV57850H6
NV-J35EG ONLY
T710
IF MATCHING TRANSFORMER
CLOCK DATA CS
Q771
BUFFER
TUNER ENV87837H3
Q772
IC7653
NV-J35B ONLY
RF AMP
MIXER
LOCAL OSC
AFC
IF
AGC
BT
BH BU BL
IC7652 (AN5043)
BAND SELECT
L.P.F

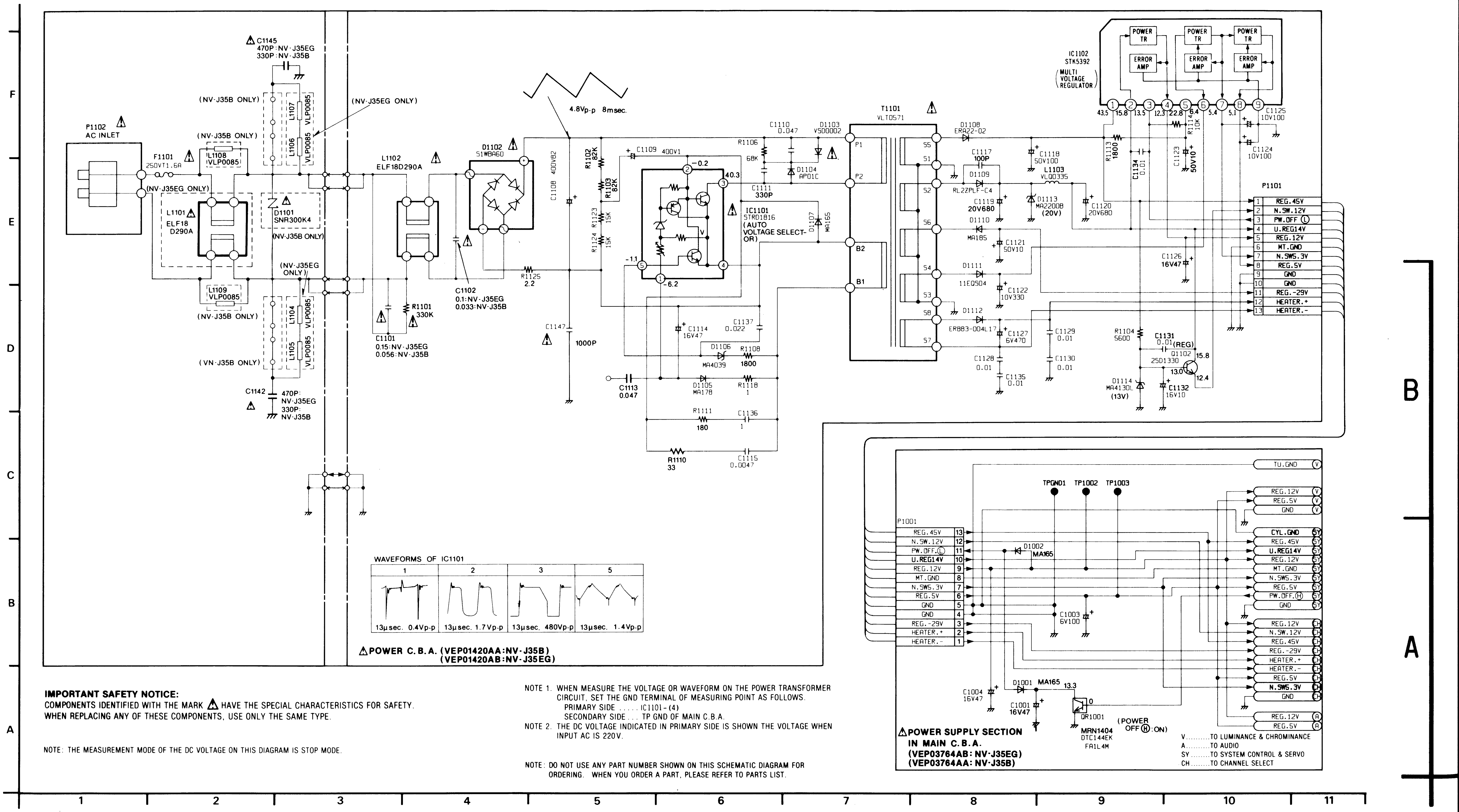
Back Page:
LUMINANCE & CHROMINANCE Section

■■ CYLINDER SERVO SPEED LOOP

⇦□ CYLINDER SERVO PHASE LOOP


IC7501
(MN187125VHP)
TUNER
ENV57850H6
NV- J35EG ONLY
T710
IF MATCHING TRANSFORMER
CLOCK DATA CS
Q710
AMP
X710
5.5MHz TRAP : NV-J35EG
6.0MHz TRAP : NV-J35B
X711
IC701
(M51366SP)
1ST IF AMP
2ND IF AMP
VIDEO DET
EQ
SIF DET
FM DET
APC DET
VCO
AFT
LIM
VR741
FREQ RESPONSE
REF V
Q703
BUFFER
VIDEO OUT
T703
VCO
T704
AFC DET
TP707
Q771
BUFFER
Q772
BUFFER
IC7653
QR713
AFC DEF
NV- J35B ONLY
TP706
X712
AUDIO LEVEL
AUDIO OUT
LOCAL OSC
MIXER
AFC
AGC
IF
IC7852 (AN5043)
BAND SELECT
L.P.F
C7662 ~ C7664
R7671 ~ R7674
NV- J35B ONLY
CS/U
DATA/VL
CLOCK/DAC
P7502
P7401
P7501
(NV-J35EG ONLY)
(NV-J35B ONLY)
CS/DAC
DATA
CLOCK
SERIAL DATA IN
SERIAL DATA OUT
SERIAL CLOCK
POWER FAIL
C3
C2
C1
IN
IR
RESET Ⓛ
BUZZER
CPU CLOCK
CPU DATA IN
CPU DATA OUT
IC7504
(MN1280S)
(RESET IC)
+5V
QR7501
P CLR
IC7502
(MN12C261D)
IC6701
(μPC1490HA)
IR RECEIVER C.B.A.
(VEP06552A)
IC7503
(MN1280L)
BACK UP 5V
X7401
QR7401
OSC
P7504
DD CYLINDER MOTOR
M1
M2
M3
5V
HE⁻
HE⁺
HALL IC
HEM
MOTOR 5V
IC2201-1
IC2201-2
IC2201-17
IC2201-8
0.35Vp-p
IC2201-9
0.8msec
CYLINDER DRIVE PACK C.B.A.
(VEP02329A)
P2001
MOTOR DRIVE
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
UNREG +14V
IC2001- ① ③ ㉓
2.2Vp-p
H3⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
DD CAPSTAN MOTOR
IC2101
(BA6435S) (CAP DRIVE)
X0
X1
32KHz
X7502
(FOR BACK UP)
TIMER OSC
OSC 1
OSC 2
X7501
4.19MHz
SEG 0
SEG 15
GRID 8
GRID 0
SEGMENT SIGNALS
GRID SIGNALS
P52
P50
P51
P53
P55
P56
P57
P60
P61
P41
P44
P40
P43
P42
INSERT
EJECT
STILL
STOP
FF
REW
A DUB
REC
PLAY
POWER
COUNTER RESET
SP/LP
(NV-J35B ONLY)
TIMER REC
CH (-)
CH (+)
CLOCK/COUNTER
PROG
SET (-)
CLOCK
SET (+)
NEXT
ON (-)
PRESET
ON (+)
OFF (-)
OFF (+)
BAND/AFC /VPS
(NV-J35EG ONLY)
CLEAR(NV-J35EG)
MEMORY(NV-J35B)
DP7501 (VSL0148)
0G
1G
2G
3G
4G
5G
6G
7G
8G
VTR
OTR
REC
VPS
×2
AV
EW
Po
M
D
12345678
SP LP ON OFF
SU MO TU WE TH FR SA
REMAIN WRITE ERASE
COUNT
MRS
3.9ms
30Vp-p
GRID 0
GRID 1
GRID 2
GRID 3
GRID 4
GRID 5
GRID 6
GRID 7
GRID 8
IC2502 (BA6305F)
IC6801
(MN15522VMS)
X6801
(358MHz)
QR502
FF.REW(L)
OSC 1
OSC 2
RVS(L)
INDEX
V.RESET(L)
SBT
SB0
SB1
A.MUTE Ⓗ
A.EE Ⓗ
C/T (L)
TO CH SELECT
INSERT(L)
AUDIO DUB(L)
RESET
P7402
TO TIMER
IC2501
(CF77384NS)
VCC
COUNTER
OSC
RESET
VPS PACK C.B.A. (VEP07538D)
NV- J35EG ONLY
VPS PACK
BACK-UP 5V
SYS 5V
WHEN VPS SIGNAL DOESN'T COME TO IC7801 - 13 (ESPECIALLY OUTPUT SIG AT IC7801 - 3 IS KEPT TO LOW), THIS IC7851 GENERATES LOW SIG.
IC7851
(MN158413VSSJ)
RESET Ⓛ
VDD
CLK
DATA IN
DATA OUT
QR7851
IC7852
(MN1280S)
RST Ⓛ
QR7852
FROM DEMODULATOR
VIDEO SIGNAL
IC7801
(SAA4700)
RST
TAKT GENERATOR (PLL)
DATA SLICING
PRE-SCALER
SYNCHRON PULSE SEPARATOR
CBB GENERATOR AND DECODER FOR LINE16
BIPHASE CODE TEST
START CODE TEST
SEQUENCE CONTROL
TEST SIGNAL GENERATOR
SCHIFT REGISTER 40BIT
TRANSMIT REGISTER BANK 5X8 BITS
ADDRESS DECODER
MULTIPLEXER
AUTOM RESET
I²C-BUS INTERFACE

3-3. POWER SCHEMATIC DIAGRAM


P1102 ⚠
AC INLET
F1101
250VT1.6A
⚠C1145
470P:NV-J35EG
330P:NV-J35B
(NV-J35B ONLY)
(NV-J35EG ONLY)
L1108
VLP0085
L1107
L1106
VLP0085
L1101 ⚠
ELF18
D290A
D1101
SNR300K4
(NV-J35B ONLY)
(NV-J35EG ONLY)
L1109
VLP0085
L1104
L1105
VLP0085
(VN-J35B ONLY)
C1142
470P:
NV-J35EG
330P:
NV-J35B
L1102
ELF18D290A
C1101
0.15:NV-J35EG
0.056:NV-J35B
R1101
330K
C1102
0.1:NV-J35EG
0.033:NV-J35B
D1102
S1WBA60
C1108 400V82
C1147
1000P
R1125
2.2
4.8Vp-p 8msec.
R1102
82K
R1103
82K
R1123
15K
R1124
15K
C1109 400V1
-0.2
40.3
-1.1
-6.2
IC1101
STRD1816
(AUTO
VOLTAGE SELECT-
OR)
R1106
68K
C1110
0.047
D1103
VS00002
D1104
AP01C
C1111
330P
D1107
MA165
C1114
16V47
C1137
0.022
D1106
MA4039
R1108
1800
C1113
0.047
D1105
MA178
R1118
1
R1111
180
C1136
1
R1110
33
C1115
0.0047
T1101 ⚠
VLT0571
P1
P2
B2
B1
S5
S1
S2
S6
S4
S3
S8
S7
D1108
ERA22-02
C1117
100P
D1109
RL2ZPLF-C4
C1118
50V100
L1103
VLQ0335
C1119
20V680
D1113
MA2200B
(20V)
C1120
20V680
D1110
MA185
C1121
50V10
D1111
11EQS04
C1122
10V330
D1112
ERB83-004L17
C1127
6V470
C1129
0.01
C1128
0.01
C1130
0.01
C1135
0.01
R1104
5600
C1131
0.01(REG)
Q1102
2SD1330
15.8
13.0
12.4
D1114
MA4130L
(13V)
C1132
16V10
C1126
16V47
IC1102
STK5392
(MULTI
VOLTAGE
REGULATOR)
POWER TR
ERROR AMP
43.5
15.8
13.5
12.3
22.8
6.4
5.4
5.1
R1113
1800
C1134
0.01
R1114
10K
C1123
50V10
C1125
10V100
C1124
10V100
P1101
1 REG.45V
2 N.SW.12V
3 PW.OFF Ⓛ
4 U.REG14V
5 REG.12V
6 MT.GND
7 N.SWS.3V
8 REG.5V
9 GND
10 GND
11 REG.-29V
12 HEATER.+
13 HEATER.-
WAVEFORMS OF IC1101
1
2
3
5
13μsec. 0.4Vp-p
13μsec. 1.7Vp-p
13μsec. 480Vp-p
13μsec. 1.4Vp-p
⚠POWER C.B.A. (VEP01420AA:NV-J35B)
(VEP01420AB:NV-J35EG)
TU.GND Ⓥ
TPGND1
TP1002
TP1003
REG.12V Ⓥ
REG.5V Ⓥ
GND Ⓥ
P1001
REG.45V 13
N.SW.12V 12
PW.OFF.Ⓛ 11
U.REG14V 10
REG.12V 9
MT.GND 8
N.SWS.3V 7
REG.5V 6
GND 5
GND 4
REG.-29V 3
HEATER.+ 2
HEATER.- 1
D1002
MA165
C1003
6V100
CYL.GND SY
REG.45V SY
U.REG14V SY
REG.12V SY
MT.GND SY
N.SWS.3V SY
REG.5V SY
PW.OFF.Ⓗ SY
GND SY
REG.12V CH
N.SW.12V CH
REG.45V CH
REG.-29V CH
HEATER.+ CH
HEATER.- CH
REG.5V CH
N.SWS.3V CH
GND CH
REG.12V Ⓐ
REG.5V Ⓐ
C1004
16V47
D1001 MA165
13.3
C1001
16V47
0
QR1001
MRN1404
DTC144EK
FA1L4M
(POWER
OFF Ⓗ:ON)
⚠POWER SUPPLY SECTION
IN MAIN C.B.A.
(VEP03764AB: NV-J35EG)
(VEP03764AA: NV-J35B)
V..........TO LUMINANCE & CHROMINANCE
A..........TO AUDIO
SY........TO SYSTEM CONTROL & SERVO
CH........TO CHANNEL SELECT
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
10
11

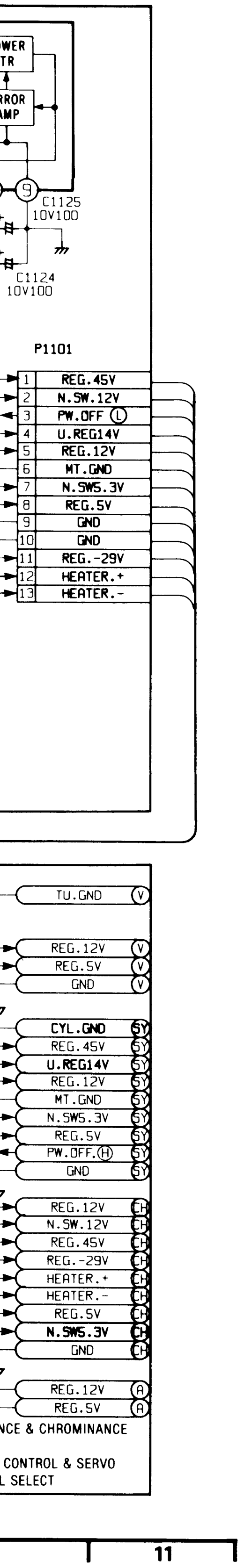
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... IC1101-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 220V.

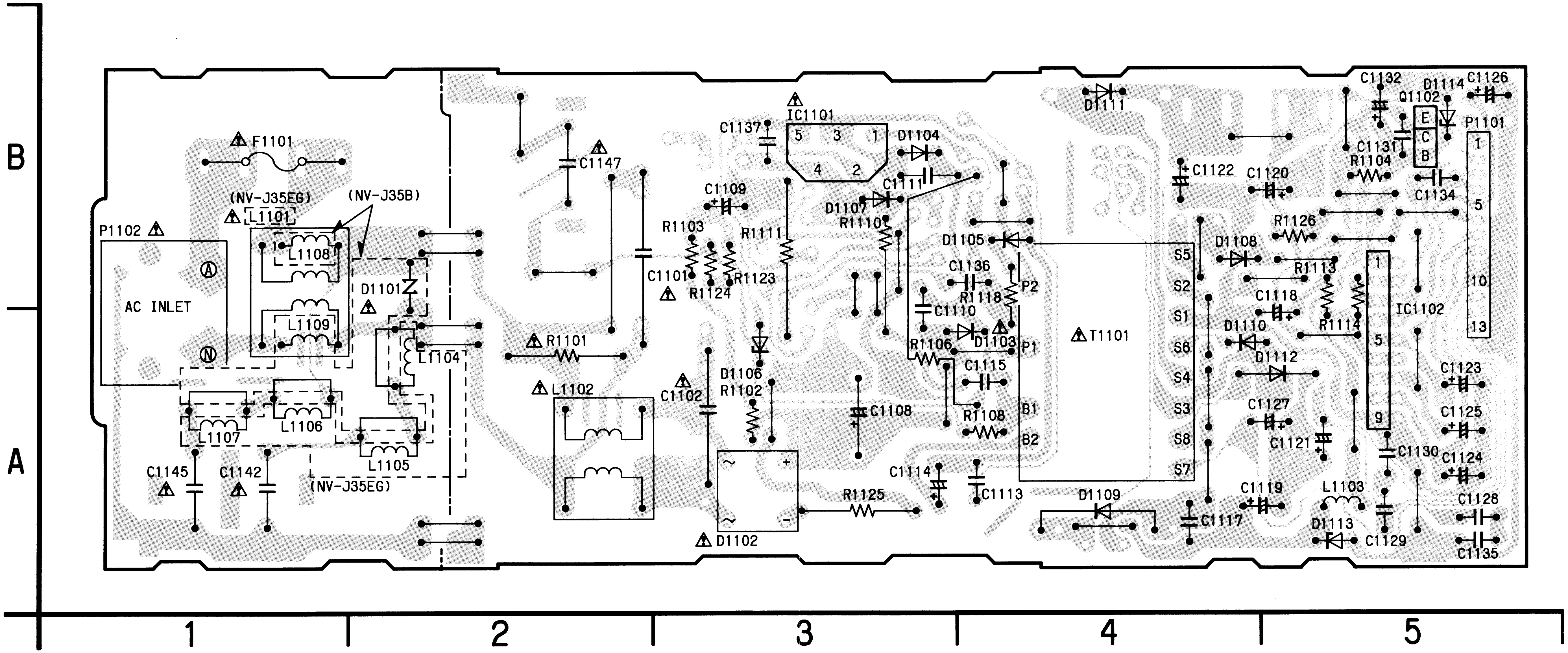
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.


WER
TR
RROR
AMP
9
C1125
10V100
C1124
10V100
P1101
1 REG.45V
2 N.SW.12V
3 PW.OFF Ⓛ
4 U.REG14V
5 REG.12V
6 MT.GND
7 N.SW5.3V
8 REG.5V
9 GND
10 GND
11 REG.-29V
12 HEATER.+
13 HEATER.-
TU.GND Ⓥ
REG.12V Ⓥ
REG.5V Ⓥ
GND Ⓥ
CYL.GND SY
REG.45V SY
U.REG14V SY
REG.12V SY
MT.GND SY
N.SW5.3V SY
REG.5V SY
PW.OFF.Ⓗ SY
GND SY
REG.12V CH
N.SW.12V CH
REG.45V CH
REG.-29V CH
HEATER.+ CH
HEATER.- CH
REG.5V CH
N.SW5.3V CH
GND CH
REG.12V Ⓐ
REG.5V Ⓐ
NCE & CHROMINANCE
CONTROL & SERVO
L SELECT
11

3-4. POWER C.B.A. (VEP01420AB: NV-J35EG) (VEP01420AA: NV-J35B)

POWER C.B.A.	
Transistor	
Q1102	B-5
Integrated Circuit	
IC1101 IC1102	B-3 B-5
Connector	
P1101 P1102	C-5 B-1

ADDRESS INFORMATION

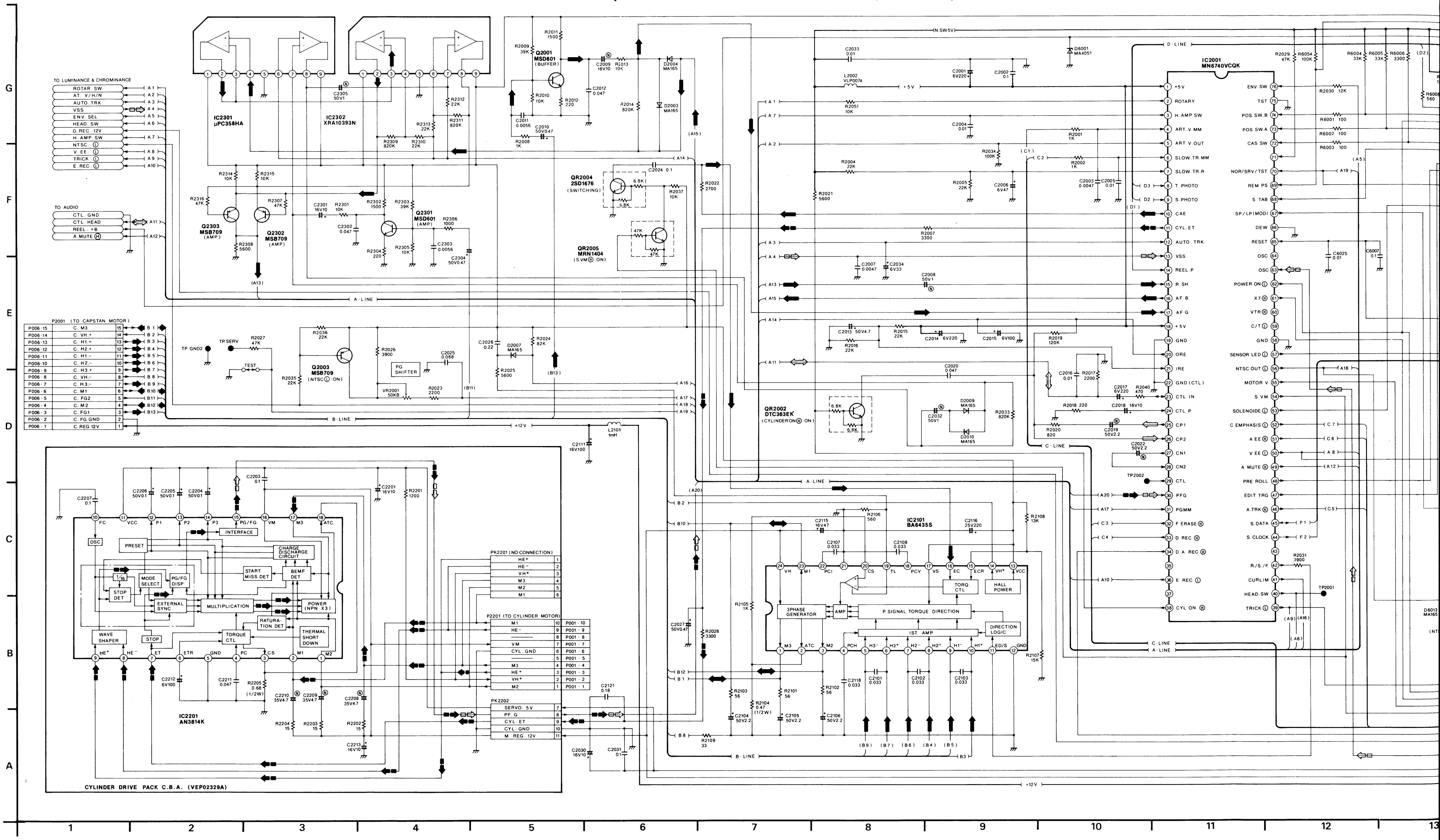

B
A
1
2
3
4
5
⚠ F1101
(NV-J35EG)
⚠ L1101
(NV-J35B)
P1102 ⚠
AC INLET
Ⓐ
Ⓝ
L1108
L1109
D1101
⚠
L1104
L1107
L1106
L1105
(NV-J35EG)
C1145 ⚠
C1142 ⚠
⚠ C1147
⚠ R1101
⚠ L1102
R1103
C1101
⚠ R1124
R1111
R1123
⚠ C1102
D1106
R1102
⚠ D1102
C1109
C1137
⚠ IC1101
5 3 1
4 2
D1104
C1111
D1107
R1110
D1105
C1136
R1118
P2
C1110
R1106
D1103 ⚠
P1
C1115
R1108
B1
B2
C1108
R1125
C1114
C1113
D1109
D1111
⚠ T1101
S5
S2
S1
S6
S4
S3
S8
S7
C1122
C1117
C1120
R1126
D1108
R1113
C1118
D1110
D1112
R1114
C1127
C1121
C1119
D1113
L1103
C1129
C1132
D1114
Q1102
E C B
C1131
R1104
C1134
C1126
P1101
1
5
10
13
IC1102
1
5
9
C1130
C1123
C1125
C1124
C1128
C1135

3-5. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM

CAPSTAN SERVO SPEED LOOP

CAPSTAN SERVO PHASE LOOP

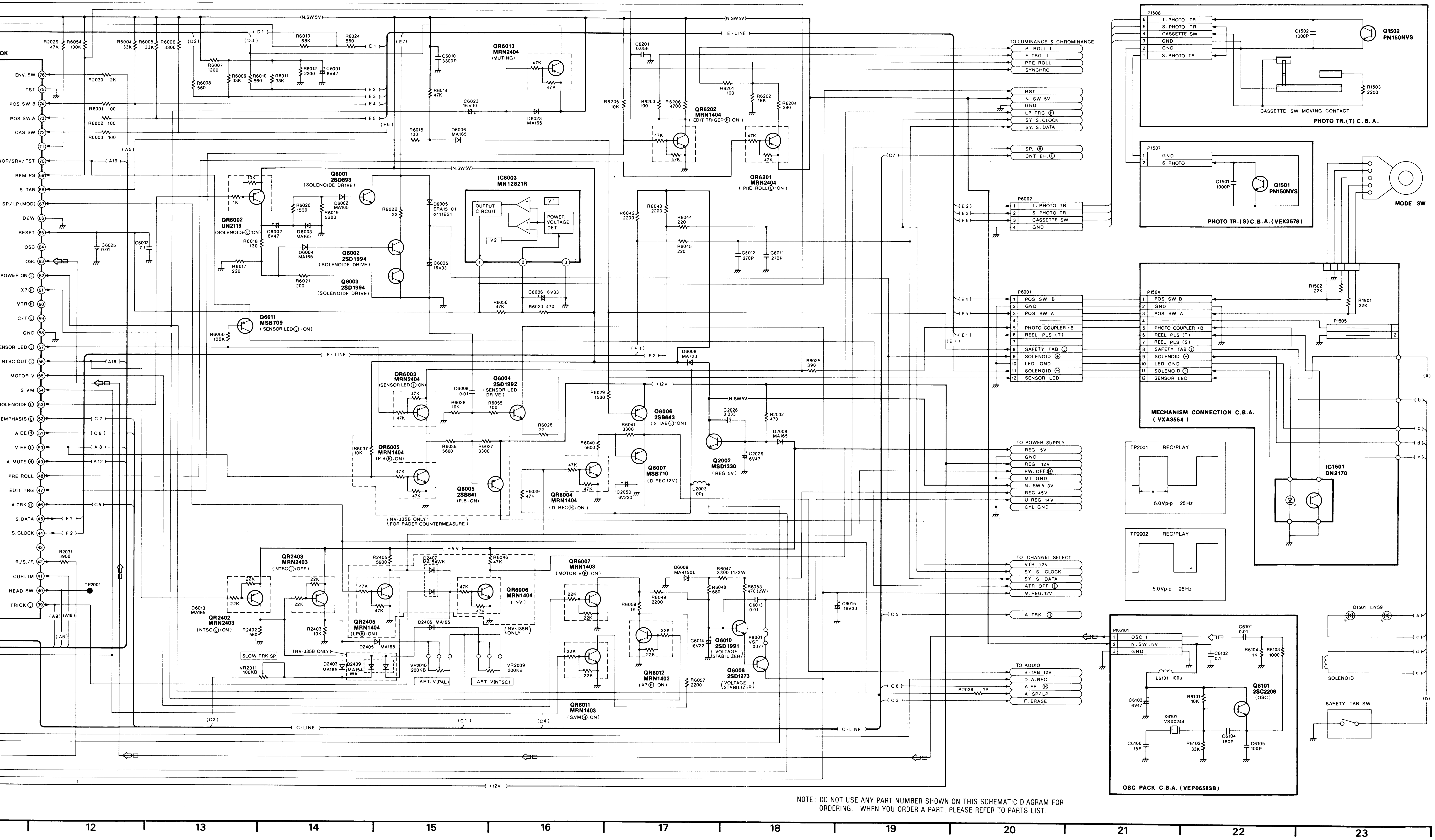
CYLINDER SE



TO LUMINANCE & CHROMINANCE
ROTAR SW
AT. V/H/N
AUTO TRK
VSS
ENV. SEL
HEAD. SW
D.REC 12V
H. AMP SW
NTSC Ⓛ
V. EE Ⓛ
TRICK Ⓛ
E. REC Ⓛ
TO AUDIO
CTL GND
CTL HEAD
REEL +B
A. MUTE Ⓗ
IC2301
μPC358HA
IC2302
XRA10393N
Q2303
MSB709
(AMP)
Q2302
MSB709
(AMP)
Q2301
MSD601
(AMP)
Q2001
MSD601
(BUFFER)
QR2004
2SD1676
(SWITCHING)
QR2005
MRN1404
(S.VM Ⓗ ON)
QR2002
DTC363EK
(CYLINDER ON Ⓗ ON)
Q2003
MSB709
(NTSC Ⓛ ON)
P2001 (TO CAPSTAN MOTOR)
TP GND2
TP SERV
TEST
PG SHIFTER
A·LINE
B·LINE
C·LINE
D·LINE
+12V
N.SW5V
IC2001
MN6740VCQK
+5V
ROTARY
H.AMP.SW
ART.V.MM
ART.V.OUT
SLOW TR.MM
SLOW TR.R
T.PHOTO
S.PHOTO
CAE
CYL.ET
AUTO.TRK
VSS
REEL.P
R.SH
AF B
AF G
+5V
GND
ORE
IRE
GND(CTL)
CTL IN
CTL P
CP1
CP2
CN1
CN2
CTL
PFG
PGMM
F.ERASE Ⓗ
D.REC Ⓗ
D.A.REC Ⓗ
E.REC Ⓛ
CYL ON Ⓗ
ENV.SW
TST
POS.SW.B
POS.SW.A
CAS SW
NOR/SRV/TST
REM PS
S TAB
SP/LP(MOD)
DEW
RESET
OSC
POWER ON Ⓛ
X7 Ⓗ
VTR Ⓗ
C/T Ⓛ
GND
SENSOR LED Ⓛ
NTSC OUT Ⓛ
MOTOR V
S.VM
SOLENOIDE Ⓛ
C EMPHASIS Ⓛ
A EE Ⓗ
V EE Ⓛ
A MUTE Ⓗ
PRE ROLL
EDIT TRG
A.TRK Ⓗ
S.DATA
S.CLOCK
R/S/F
CURLIM
HEAD.SW
TRICK Ⓛ
TP2001
TP2002
IC2201
AN3814K
OSC
PRESET
INTERFACE
CHARGE DISCHARGE CIRCUIT
START MISS DET
BEMF DET
MODE SELECT
PG/FG DISP
STOP DET
EXTERNAL SYNC
MULTIPLICATION
POWER (NPN X3)
RATURATION DET
THERMAL SHORT DOWN
TORQUE CTL
WAVE SHAPER
STOP
CYLINDER DRIVE PACK C.B.A. (VEP02329A)
PK2201 (NO CONNECTION)
P2201 (TO CYLINDER MOTOR)
PK2202
SERVO 5V
PF.G
CYL.ET
CYL.GND
M.REG 12V
IC2101
BA6435S
3PHASE GENERATOR
AMP
P.SIGNAL TORQUE DIRECTION
IST AMP
DIRECTION LOGIC
TORQ CTL
HALL POWER

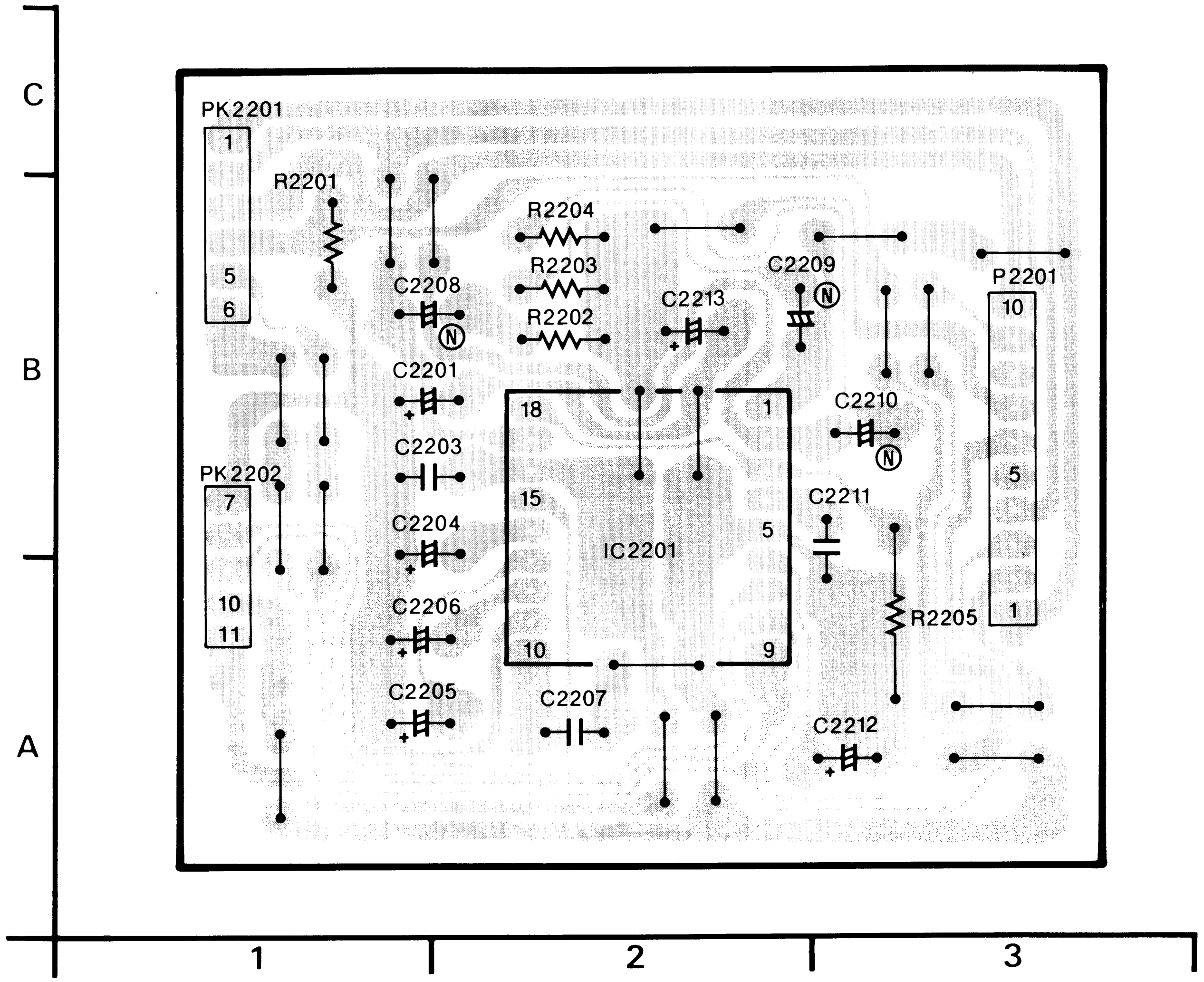
Back Page:
POWER Section

◀■ CYLINDER SERVO SPEED LOOP ◁□ CYLINDER SERVO PHASE LOOP

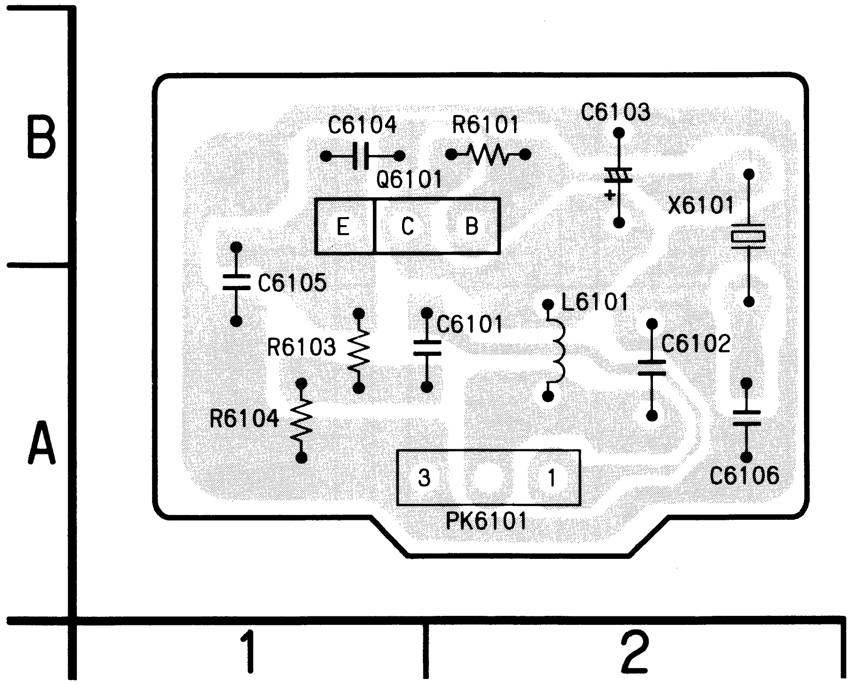

ENV. SW 76
TST 75
POS.SW.B 74
POS.SW.A 73
CAS SW 72
71
NOR/SRV/TST 70
REM PS 69
S TAB 68
SP/LP(MOD) 67
DEW 66
RESET 65
OSC 64
OSC 63
POWER ON 62
X7 61
VTR 60
C/T 59
GND 58
SENSOR LED 57
NTSC OUT 56
MOTOR V. 55
S VM 54
SOLENOIDE 53
EMPHASIS 52
A EE 51
V EE 50
A MUTE 49
PRE ROLL 48
EDIT TRG 47
A.TRK 46
S.DATA 45
S.CLOCK 44
43
R/S./F 42
CURLIM 41
HEAD SW 40
TRICK 39
QR6013 MRN2404 (MUTING)
Q6001 2SD893 (SOLENOIDE DRIVE)
QR6002 UN2119 (SOLENOIDE ON)
IC6003 MN12821R
OUTPUT CIRCUIT
POWER VOLTAGE DET
Q6002 2SD1994 (SOLENOIDE DRIVE)
Q6003 2SD1994 (SOLENOIDE DRIVE)
Q6011 MSB709 (SENSOR LED ON)
QR6202 MRN1404 (EDIT TRIGER ON)
QR6201 MRN2404 (PHE ROLL ON)
QR6003 MRN2404 (SENSOR LED ON)
Q6004 2SD1992 (SENSOR LED DRIVE)
QR6005 MRN1404 (P.B ON)
Q6005 2SB641 (P.B ON)
(NV-J35B ONLY FOR RADER COUNTERMEASURE)
Q6006 2SB643 (S.TAB ON)
QR6004 MRN1404 (D.REC ON)
Q6007 MSB710 (D.REC 12V)
Q2002 MSD1330 (REG 5V)
QR2403 MRN2403 (NTSC OFF)
QR2402 MRN2403 (NTSC ON)
QR2405 MRN1404 (LP ON)
QR6006 MRN1404 (INV)
(NV-J35B ONLY)
SLOW TRK.SP
ART. V(PAL)
ART. V(NTSC)
QR6007 MRN1403 (MOTOR V ON)
QR6012 MRN1403 (X7 ON)
QR6011 MRN1403 (SVM ON)
Q6010 2SD1991 (VOLTAGE STABILIZER)
Q6008 2SD1273 (VOLTAGE STABILIZER)
TP2001
N.SW 5V
E-LINE
F-LINE
C-LINE
+12V
+5V
TO LUMINANCE & CHROMINANCE
P. ROLL
E. TRG
PRE. ROLL
SYNCHRO
RST
N. SW. 5V
GND
LP. TRC
SY. S. CLOCK
SY. S. DATA
SP.
CNT. EH.
P6002
T. PHOTO TR
S. PHOTO TR
CASSETTE SW
GND
P6001
POS SW B
GND
POS SW A
PHOTO COUPLER +B
REEL PLS (T)
REEL PLS (S)
SAFETY TAB
SOLENOID ⊕
LED GND
SOLENOID ⊖
SENSOR LED
TO POWER SUPPLY
REG. 5V
REG. 12V
PW. OFF
MT GND
N. SW 5. 3V
REG. 45V
U. REG. 14V
CYL GND
TO CHANNEL SELECT
VTR 12V
SY. S. CLOCK
SY. S. DATA
ATR. OFF
M. REG. 12V
A. TRK
TO AUDIO
S. TAB 12V
D. A REC
A. EE
A. SP/LP
F. ERASE
P1508
Q1502 PN150NVS
CASSETTE SW MOVING CONTACT
PHOTO TR.(T) C. B. A.
P1507
Q1501 PN150NVS
PHOTO TR.(S) C.B.A.(VEK3578)
MODE SW
P1504
P1505
MECHANISM CONNECTION C.B.A. (VXA3554)
IC1501 DN2170
TP2001 REC/PLAY
5.0Vp-p 25Hz
TP2002 REC/PLAY
5.0Vp-p 25Hz
D1501 LN59
SOLENOID
SAFETY TAB SW
PK6101
OSC 1
N. SW. 5V
GND
Q6101 2SC2206 (OSC)
X6101 VSX0244
OSC PACK C.B.A. (VEP06583B)
12
13
14
15
16
17
18
19
20
21
22
23

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-6. CYLINDER DRIVE PACK C.B.A. (VEP02329A)


C
B
A
1
2
3
PK2201
1
5
6
R2201
C2208
Ⓝ
R2204
R2203
R2202
C2213
C2209
Ⓝ
P2201
10
5
1
C2201
C2203
PK2202
7
10
11
C2204
C2206
C2205
C2207
IC2201
18
1
15
5
10
9
C2210
Ⓝ
C2211
R2205
C2212

3-7. OSC PACK C.B.A. (VEP06583B)


B
A
1
2
C6104
R6101
C6103
Q6101
E
C
B
X6101
C6105
R6103
C6101
L6101
C6102
R6104
3
1
PK6101
C6106

CYLINDER DRIVE PACK C.B.A.	
Integrated Circuit	
IC2201	B-2
Connector	
P2201 PK2201 PK2202	B-3 C-1 B-1

ADDRESS INFORMATION

OSC PACK C.B.A.	
Transistor	
Q6101	B-1
Connector	
PK6101	A-2

ADDRESS INFORMATION

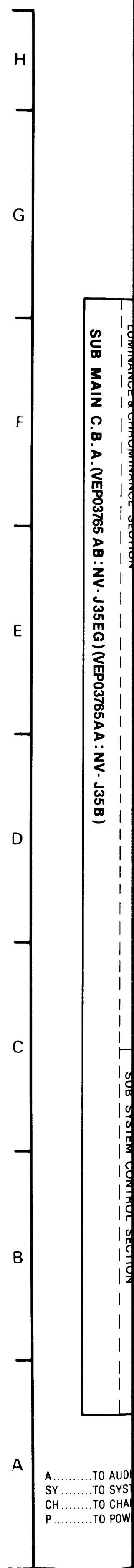
SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART

REF. NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	0	0	2.5	3.3	3.3	2.5	4.3	1.7	2.5	0.3	2.5	2.5	2.5	5.1	0	2.5
PLAY	5.1	2.6	0	0	0	0	2.5	3.3	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	0	2.5
FF	5.1	5.1	0	0	0	0	2.5	3.3	3.3	2.5	4.3	1.7	2.5	1.9	2.5	2.5	2.5	5.1	0	2.5
REF. NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.5	0	2.5	2.5	1.2	2.9	3.9	2.1	5.1	5.1	0	0	0	0	3.1	0.2	5.1	0	5.1	0
PLAY	2.5	0	2.5	2.5	1.2	2.5	4.1	3.0	3.0	1.1	3.0	0	0	0	3.1	0.2	5.1	5.0	5.1	2.5
FF	2.5	0	2.5	2.5	1.4	1.5	3.7	3.4	3.0	5.1	0	0	0	0	3.1	0.2	5.1	0	5.1	0
REF. NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.9	2.1	0	4.7	4.2	0	0	5.1	0	0	5.1	0	5.1	0	0	5.1	4.7	0	0	0
PLAY	5.0	0	0	4.7	4.5	5.0	0	5.1	0	5.1	0	5.1	5.1	0	5.1	5.1	4.7	0	0	0
FF	5.0	0	0	4.7	4.6	0	0	5.1	0	0	5.1	0	5.1	0	0	5.1	4.7	0	0	0
REF. NO.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76				
STOP	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	5.1	2.0	0	0				
PLAY	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	0	5.1	0	4.5				
FF	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	5.1	2.0	0	0				
REF. NO.	IC2101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	7.1	0	7.1	1.4	2.0	2.1	2.1	2.1	2.1	2.1	2.1	0	5.1	3.7	2.7	2.6	5.1	0	0.4	0
PLAY	1.4	0	1.4	1.3	2.1	2.1	2.1	2.1	2.1	2.1	0	0	5.1	3.8	2.7	2.5	5.1	0.6	0.4	0.1
FF	3.3	0	3.3	1.3	2.1	2.1	2.1	2.1	2.1	2.1	0	0	5.1	3.8	2.7	2.5	5.1	0.6	0.4	0
REF. NO.	IC2101										IC2301									
MODE	21	22	23	24							1	2	3	4	5	6	7	8	9	
STOP	0	0.6	7.1	13.8							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
PLAY	0	0.6	1.4	10.1							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
FF	0	0.6	3.3	13.8							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
REF. NO.	IC2302										IC6003									
MODE	1	2	3	4	5	6	7	8	9		1	2	3							
STOP	5.1	0.6	2.6	2.5	0	2.5	2.6	0.6	5.1		5.1	5.1	0							
PLAY	5.1	1.7	2.6	2.5	0	2.5	2.6	1.7	5.1		5.1	5.1	0							
FF	5.1	1.5	2.6	2.5	0	2.5	2.6	1.5	5.1		5.1	5.1	0							

SYSTEM CONTROL & SERVO TRANSISTORs DC VOLTAGE CHART

REF. NO.	Q2001			Q2002			Q2003			Q2301			Q2302			Q2303		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.4	5.1	0.4	2.5	1.0	0.6	0	0.6	0.6	0	0.6
PLAY	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.7	5.1	0.4	2.5	1.0	1.7	0.9	1.7	1.7	0.9	1.9
FF	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.4	5.1	0.4	2.5	1.0	1.5	1.0	1.5	1.5	1.0	1.8
REF. NO.	Q6001			Q6002			Q6003			Q6004			Q6006			Q6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	16.0	0.1	0.2	16.0	0.2	0	0.2	0	0.8	14.0	0.6	12.2	12.2	11.5	12.2	0	12.2
PLAY	0	15.8	0.2	0.2	15.8	0.2	0	0.2	0	0.8	10.3	0.6	12.2	12.2	11.5	12.2	−0.2	12.2
FF	0	15.9	0.2	0.2	15.9	0.2	0	0.2	0	0.8	14.0	0.6	12.2	12.2	11.5	12.2	0	12.2
REF. NO.	Q6008			Q6010			Q6011											
MODE	E	C	B	E	C	B	E	C	B									
STOP	14.0	15.7	14.5	14.5	43.9	15.0	4.8	2.1	4.8									
PLAY	10.3	15.6	10.9	10.9	43.9	11.4	4.8	2.1	4.8									
FF	14.0	15.6	14.6	14.6	43.9	15.1	4.6	2.1	4.8									
REF. NO.	QR2002			QR2004			QR2005			QR2402			QR2403			QR2405		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
PLAY	0	0	5.0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
FF	0	0.9	0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
REF. NO.	QR6002			QR6003			QR6004			QR6006			QR6007			QR6011		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	0	5.1	5.1	0.6	4.5	0	12.2	0	0	0	4.6	0	15.0	0	0	15.0	0
PLAY	5.1	0	5.1	5.0	0.6	4.6	0	12.2	0	0	0	4.6	0	0.1	5.0	0	0.1	0
FF	5.1	0	5.1	5.0	0.6	4.5	0	12.2	0	0	0	4.6	0	15.1	0	0	15.1	0
REF. NO.	QR6012			QR6201			QR6202											
MODE	E	C	B	E	C	B	E	C	B									
STOP	0	15.0	0	5.1	0	5.1	0	5.1	0									
PLAY	0	0.1	0	5.1	0	5.1	0	5.1	0									
FF	0	15.1	0	5.1	0	5.1	0	5.1	0									

3-8. LU


H
G
F
E
D
C
B
A
SUB MAIN C.B.A.(VEP03765 AB : NV-J35EG)(VEP03765AA : NV-J35B)
SUB SYSTEM CONTROL SECTION
A..........TO AUD
SY........TO SYST
CH........TO CHA
P..........TO POW

7	18	19	20
5	5.1	0	2.5
5	5.1	0	2.5
5	5.1	0	2.5
7	38	39	40
1	0	5.1	0
1	5.0	5.1	2.5
1	0	5.1	0
7	58	59	60
7	0	0	0
7	0	0	0
7	0	0	0

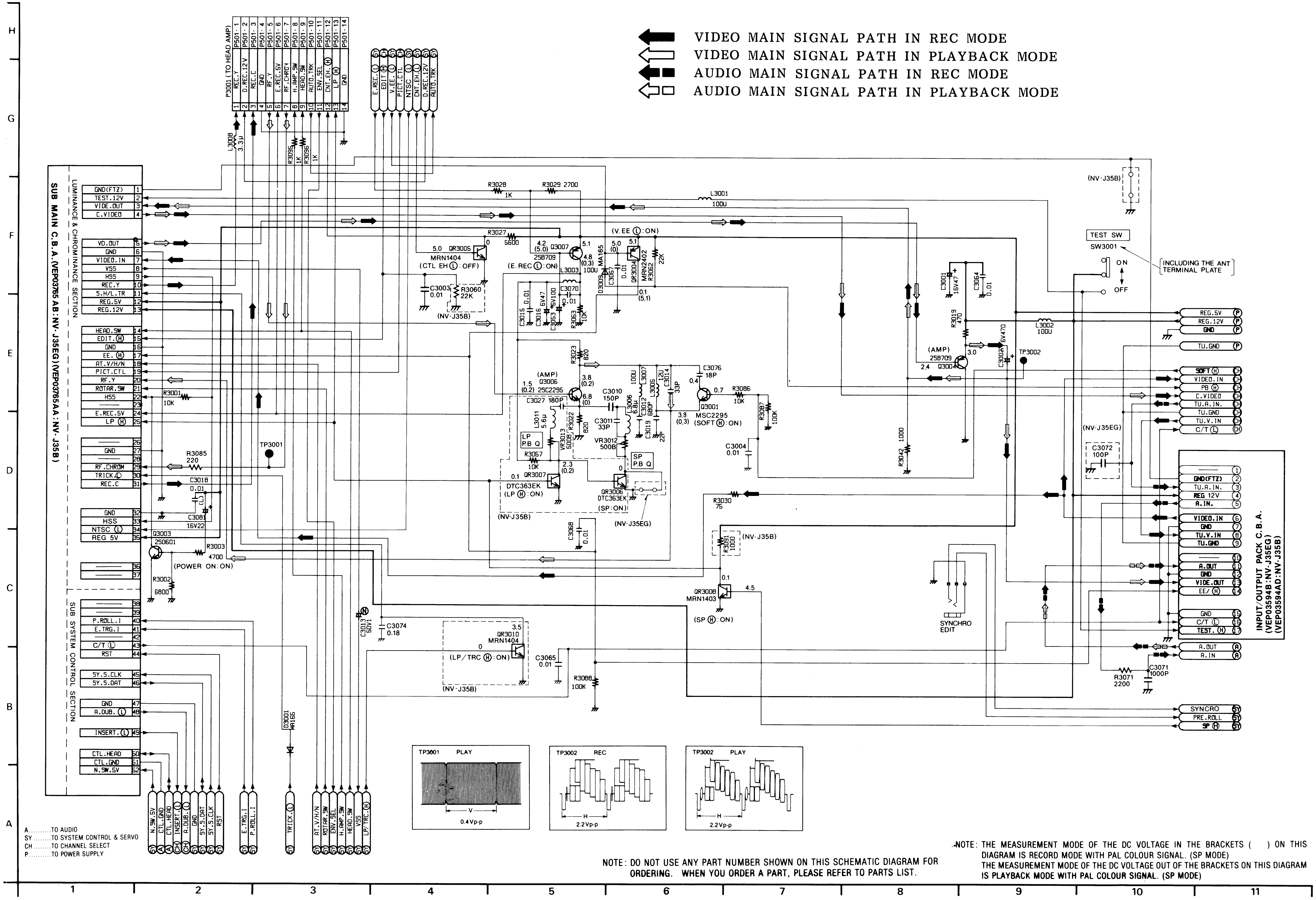
7	18	19	20
1	0	0.4	0
1	0.6	0.4	0.1
1	0.6	0.4	0
	8	9	
6	2.5	5.1	
6	2.5	5.1	
6	2.5	5.1	

RT

03	
	B
	0.6
9	1.9
0	1.8
07	
	B
	12.2
.2	12.2
	12.2

405	
	B
6	0
6	0
6	0
011	
	B
0	0
1	0
1	0

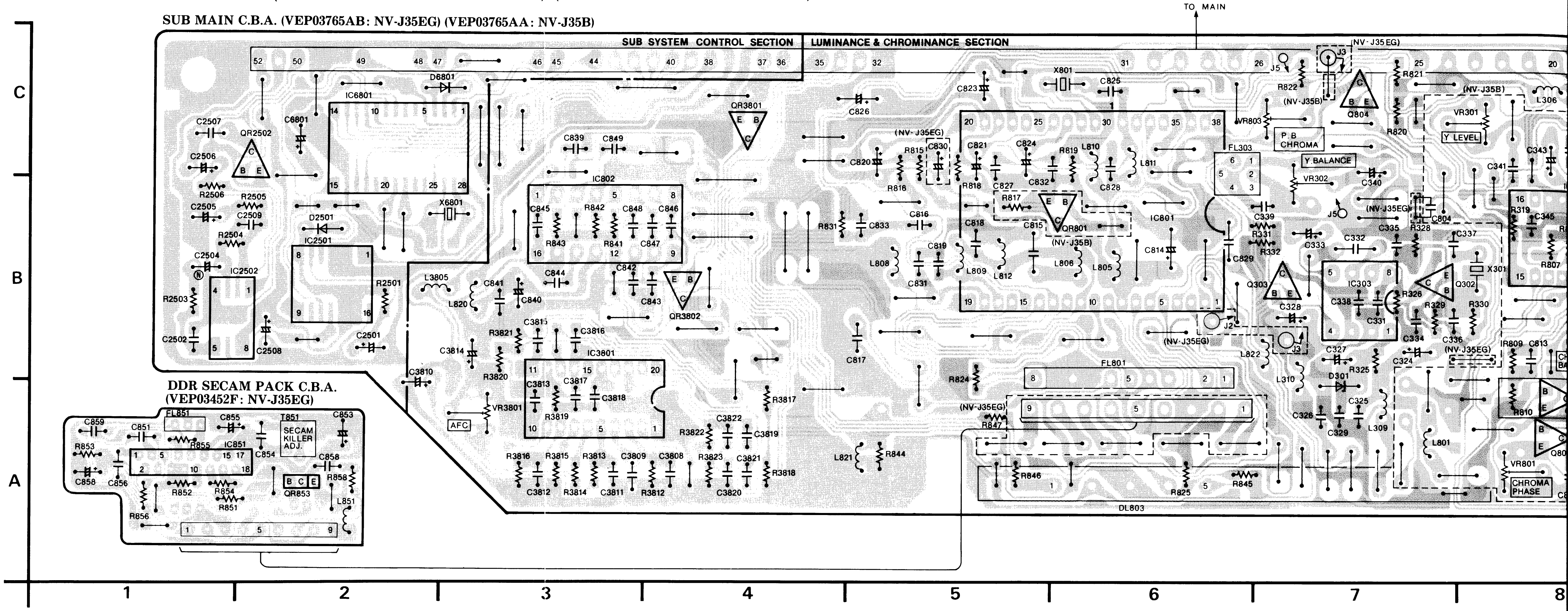
3-8. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM


VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
P3001 (TO HEAD AMP)
P501-1 REC.Y
P501-2 D.REC.12V
P501-3 REC.C
P501-4 GND
P501-5 RF.Y
P501-6 E.REC.5V
P501-7 RF.CHRCM
P501-8 H.AMP.SW
P501-9 HEAD.SW
P501-10 AUTO.TRK
P501-11 ENV.SEL
P501-12 CNT.EH.Ⓗ
P501-13 LP Ⓗ
P501-14 GND
E.REC.Ⓛ
EDIT Ⓗ
V.EE.Ⓛ
PICT.CTL
NTSC Ⓛ
CNT.EH.Ⓛ
D.REC.12V
AUTO.TRK
L3008 3.3µ
R3095 1K
R3096 1K
SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)
LUMINANCE & CHROMINANCE SECTION
GND(FTZ) 1
TEST.12V 2
VIDE.OUT 3
C.VIDEO 4
VD.OUT 5
GND 6
VIDEO.IN 7
VSS 8
HSS 9
REC.Y 10
S.H/L.TR 11
REG.5V 12
REG.12V 13
HEAD.SW 14
EDIT.Ⓗ 15
GND 16
EE.Ⓗ 17
AT.V/H/N 18
PICT.CTL 19
RF.Y 20
ROTAR.SW 21
HSS 22
23
E.REC.5V 24
LP Ⓗ 25
26
GND 27
28
RF.CHROM 29
TRICK.Ⓛ 30
REC.C 31
GND 32
HSS 33
NTSC Ⓛ 34
REG 5V 35
36
37
SUB SYSTEM CONTROL SECTION
38
39
P.ROLL.I 40
E.TRG.I 41
42
C/T Ⓛ 43
RST 44
SY.S.CLK 45
SY.S.DAT 46
GND 47
A.DUB.Ⓛ 48
INSERT.Ⓛ 49
CTL.HEAD 50
CTL.GND 51
N.SW.5V 52
R3001 10K
R3085 220
TP3001
C3018 0.01
C3081 16V22
Q3003 2SD601
R3003 4700
(POWER ON:ON)
R3002 6800
R3028 1K
R3029 2700
R3027 5600
5.0 QR3005
MRN1404
(CTL EH Ⓛ: OFF)
C3003 0.01
R3060 22K
(NV-J35B)
4.2 (5.0) Q3007
2SB709
(E.REC Ⓛ: ON)
5.1
4.8 (0.3)
MA165
D3009
L3003 100U
(V.EE Ⓛ: ON)
5.0 (0)
5.1
C3067 0.01
QR3004 MRN2402
R3062 22K
0.1 (5.1)
C3070 0.01
C3015 0.01
C3016 6V47
C3053 6V100
R3063 10K
L3001 100U
R3023 820
(AMP)
1.5 (0.2) Q3006 2SC2295
3.8 (0.2)
6.8 (0)
C3027 180P
L3011 5.6µ
LP PB Q
VR3013 500B
R3022 820
C3010 150P
C3011 33P
VR3012 500B
L3006 6.8µ
100U
L3007
C3012 680P
C3019 22P
L3005 12U
C3014 33P
C3076 18P
0.4
0.7
Q3001 MSC2295
3.8 (0.3)
(SOFT Ⓗ: ON)
R3086 10K
R3087 100K
R3057 10K
2.3 (0.2)
0.1 QR3007
DTC363EK
(LP Ⓗ: ON)
SP PB Q
0
QR3006
DTC363EK
(SP: ON)
(NV-J35EG)
C3068 0.01
C3004 0.01
R3030 75
R3091 1000
0.1
QR3008 MRN1403
4.5
(SP Ⓗ: ON)
C3013 50V1
C3074 0.18
3.5 QR3010 MRN1404
0
(LP/TRC Ⓗ: ON)
C3065 0.01
R3088 100K
D3001 MA165
C3001 16V47
C3064 0.01
R3019 470
(AMP) 2SB709 Q3004
2.4
3.0
C3002 6V470
TP3002
L3002 100U
R3042 1000
(NV-J35B)
TEST SW
SW3001
ON
OFF
INCLUDING THE ANT TERMINAL PLATE
(NV-J35EG)
C3072 100P
R3071 2200
C3071 1000P
SYNCHRO EDIT
REG.5V Ⓟ
REG.12V Ⓟ
GND Ⓟ
TU.GND Ⓟ
SOFT Ⓗ CH
VIDEO.IN CH
PB Ⓗ CH
C.VIDEO CH
TU.A.IN. CH
TU.GND CH
TU.V.IN CH
C/T Ⓛ CH
INPUT/OUTPUT PACK C.B.A. (VEP03594B: NV-J35EG) (VEP03594AD: NV-J35B)
①
GND(FTZ) ②
TU.A.IN. ③
REG 12V ④
A.IN. ⑤
VIDEO.IN ⑥
GND ⑦
TU.V.IN ⑧
TU.GND ⑨
⑩
A.OUT ⑪
GND ⑫
VIDE.OUT ⑬
EE/Ⓗ ⑭
GND ⑮
C/T Ⓛ ⑯
TEST.Ⓗ ⑰
A.OUT Ⓐ
A.IN Ⓐ
SYNCRO SY
PRE.ROLL SY
SP Ⓗ SY
N.SW.5V SY
CTL.GND A
CTL.HEAD A
INSERT.Ⓛ CH
A.DUB.Ⓛ CH
GND SY
SY.S.DAT SY
SY.S.CLK SY
RST SY
E.TRG.I SY
P.ROLL.I SY
TRICK.Ⓛ SY
AT.V/H/N SY
ROTAR.SW SY
ENV.SEL SY
H.AMP.SW SY
HEAD.SW SY
VSS SY
LP/TRC.Ⓗ SY
TP3001 PLAY
V
0.4Vp-p
TP3002 REC
H
2.2Vp-p
TP3002 PLAY
H
2.2Vp-p
A ....TO AUDIO
SY ....TO SYSTEM CONTROL & SERVO
CH ....TO CHANNEL SELECT
P ....TO POWER SUPPLY
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

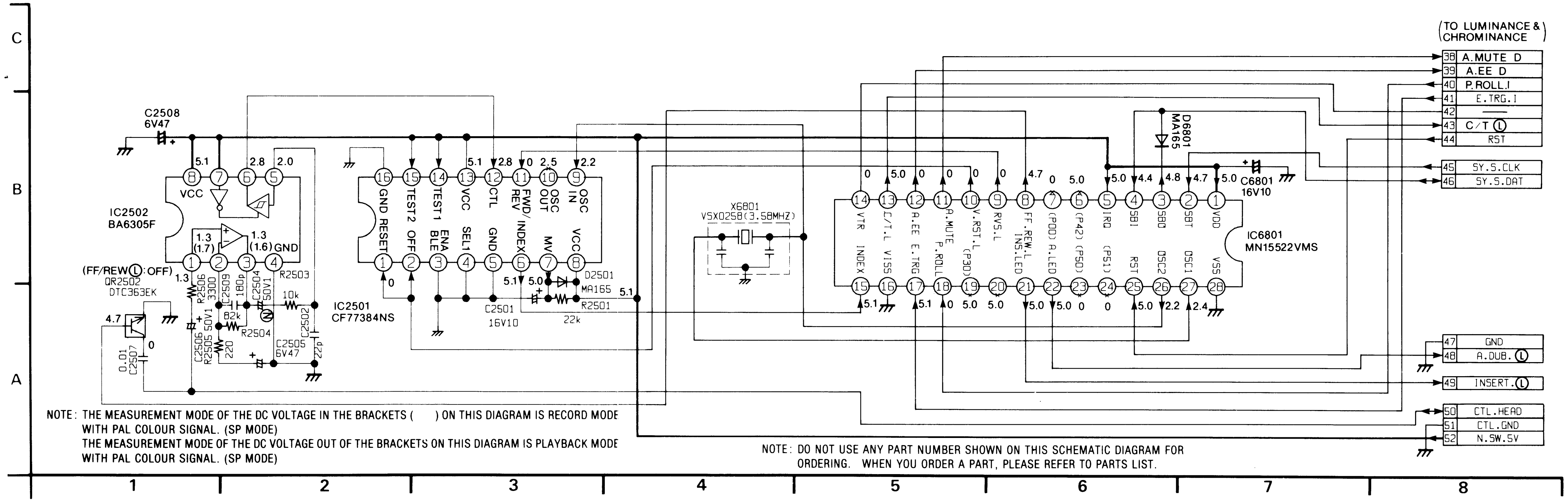
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

3-9. SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)


SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)
SUB SYSTEM CONTROL SECTION
LUMINANCE & CHROMINANCE SECTION
TO MAIN
DDR SECAM PACK C.B.A.
(VEP03452F: NV-J35EG)
SECAM KILLER ADJ.
AFC
Y LEVEL
Y BALANCE
P.B CHROMA
CHROMA PHASE
IC6801
IC2501
IC2502
IC3801
IC802
IC801
IC303
IC851
X6801
X801
X301
FL801
FL303
FL851
DL803
VR301
VR302
VR801
VR803
VR3801
(NV-J35EG)
(NV-J35B)
C
B
A
1
2
3
4
5
6
7
8

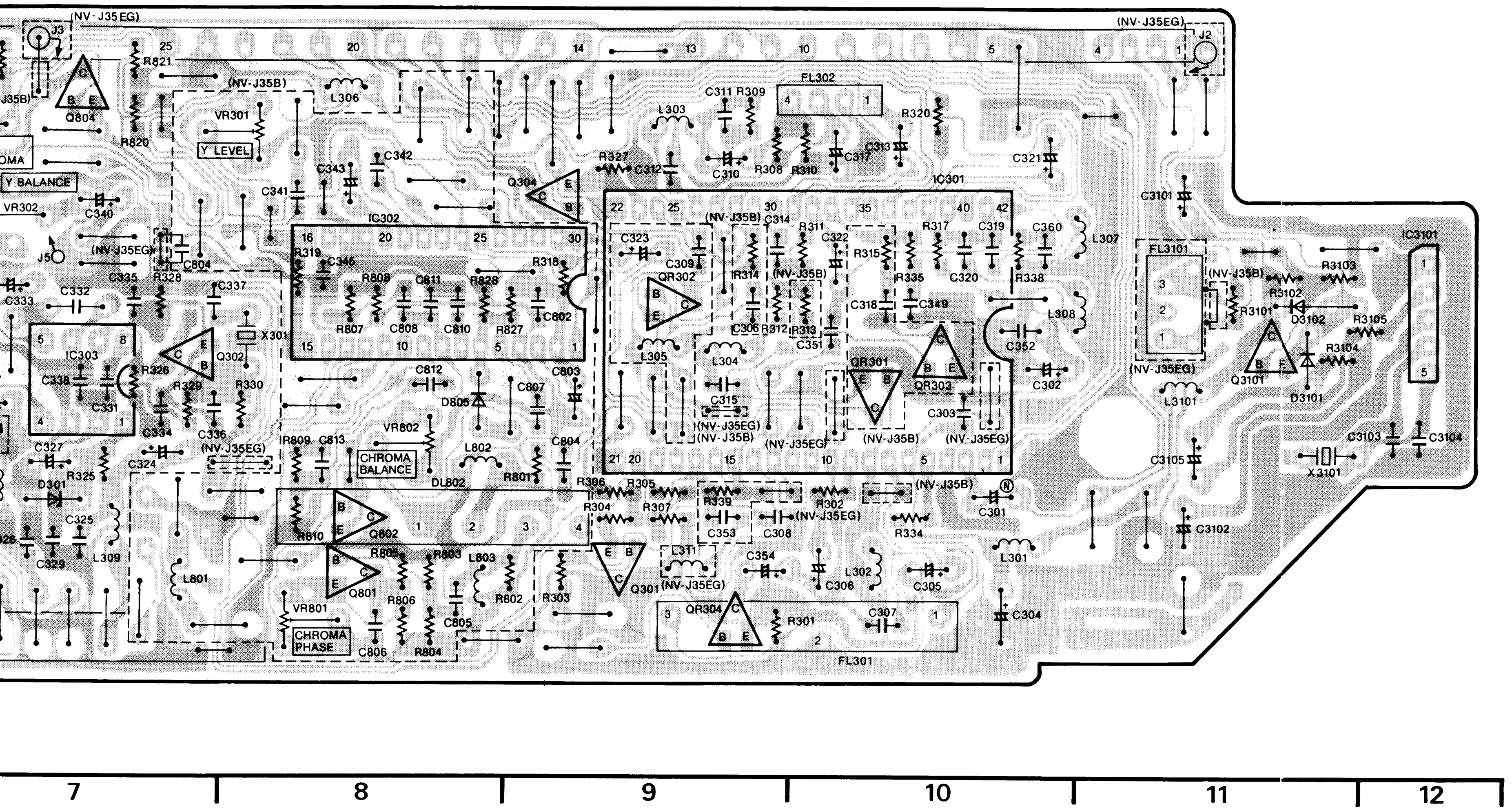
3-10. SUB MAIN (SUB SYSTEM CONTROL) SCHEMATIC DIAGRAM


(TO LUMINANCE & CHROMINANCE)
38 A.MUTE D
39 A.EE D
40 P.ROLL.I
41 E.TRG.I
42
43 C/T Ⓛ
44 RST
45 SY.S.CLK
46 SY.S.DAT
47 GND
48 A.DUB. Ⓛ
49 INSERT. Ⓛ
50 CTL.HEAD
51 CTL.GND
52 N.SW.5V
C2508 6V47
IC2502 BA6305F
VCC
GND
(FF/REW Ⓛ: OFF)
QR2502 DTC363EK
C2507 0.01
R2506 3300
C2509 180p
C2504 50V1
C2506 50V1
R2505 220
R2504 82k
R2503 10k
C2505 6V47
C2502 22p
IC2501 CF77384NS
GND RESET
TEST2 OFF
TEST1 ENABLE
VCC
SEL1
CTL
GND
FWD/REV INDEX
OSC OUT
MV
OSC IN
VCC
D2501 MA165
C2501 16V10
R2501 22k
X6801 VSX025B(3.58MHZ)
D6801 MA165
C6801 16V10
IC6801 MN15522VMS
VTR INDEX
C/T.L VISS
A.EE E.TRG
A.MUTE P.ROLL
V.RST.L (P30)
RVS.L
FF.REW.L INS.LED
(P00) A.LED
(P42) (P50)
(P51)
IRQ RST
SBI OSC2
SBO OSC1
SBT VSS
VDD
C
B
A
1
2
3
4
5
6
7
8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
CYLINDER DRIVE/
OSC/LUMINANCE &
CHROMINANCE Section



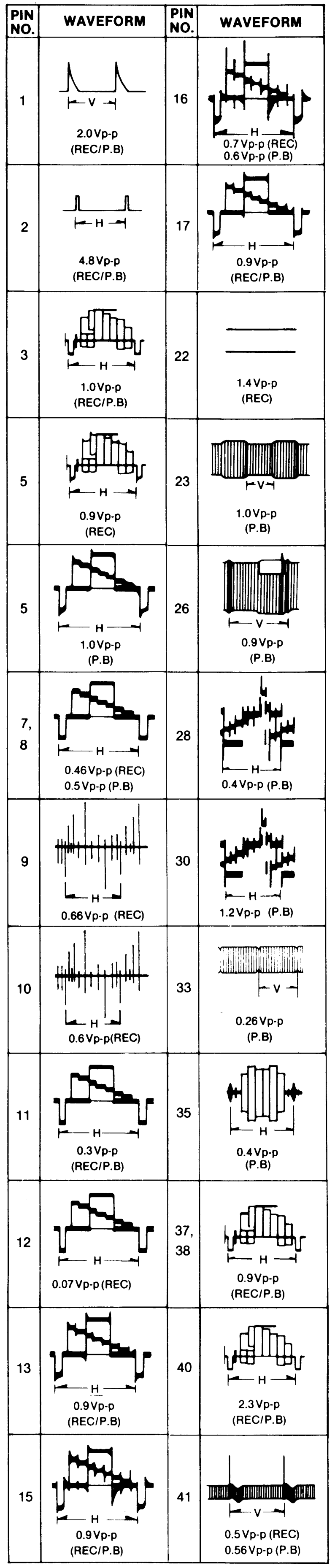
NV-J35EG
J3
J2
Q804
R821
R820
VR301
Y LEVEL
Y BALANCE
VR302
L306
C342
C343
C341
C340
C804
C345
R319
IC302
R808
C811
R828
R318
R807
C808
C810
R827
C802
C335
R328
C337
C333
C332
X301
IC303
C338
R326
Q302
C331
R329
R330
C812
D805
C807
C803
C334
C336
C327
C324
R809
C813
VR802
CHROMA BALANCE
L802
R801
DL802
C804
D301
R325
C325
C329
L309
L801
R810
Q802
R805
R803
L803
Q801
VR801
CHROMA PHASE
R806
C805
R802
R803
C806
R804
Q304
C311
R309
FL302
L303
R327
C312
C310
R308
R310
C313
C317
R320
C321
IC301
C323
QR302
C309
C314
R311
C322
R315
R317
C319
C360
L307
R314
R335
C320
R338
C318
C349
C306
R312
R313
C351
L308
L305
L304
QR301
QR303
C352
C302
C315
C303
R306
R305
R339
R302
R304
R307
C353
C308
R334
C301
L311
C354
L302
C306
C305
Q301
L301
QR304
R301
C307
C304
FL301
C3101
FL3101
R3103
R3102
R3101
D3102
R3105
R3104
Q3101
D3101
L3101
IC3101
C3103
C3104
X3101
C3105
C3102
7
8
9
10
11
12

UMINANCE &
OMINANCE
MUTE D
EE D
ROLL.I
E.TRG.I
/T Ⓛ
RST
SY.S.CLK
SY.S.DAT
GND
A.DUB.Ⓛ
INSERT.Ⓛ
CTL.HEAD
CTL.GND
N.SW.5V

SUB MAIN C.B.A.			
Transistor		IC303	B-7
Q301	A-9	IC801	B-6
Q302	B-7	IC802	B-3
Q303	B-7	IC851	A-1
Q304	C-9	IC2501	B-2
Q801	A-8	IC2502	B-2
Q802	A-8	IC3101	B-10
Q804	C-7	IC3801	A-3
Q3101	B-11	IC6801	C-2
Transistor & Resistor		**Adjustment**	
QR301	B-10	T851	A-2
QR302	B-9	VR301	C-7
QR303	B10	VR302	C-7
QR304	A-9	VR801	A-8
QR801	B-6	VR802	B-8
QR853	A-2	VR803	C-7
QR2502	C-2	VR3801	A-3
QR3801	C-4		
QR3802	B-4		
Integrated Circuit			
IC301	B-10		
IC302	B-8		

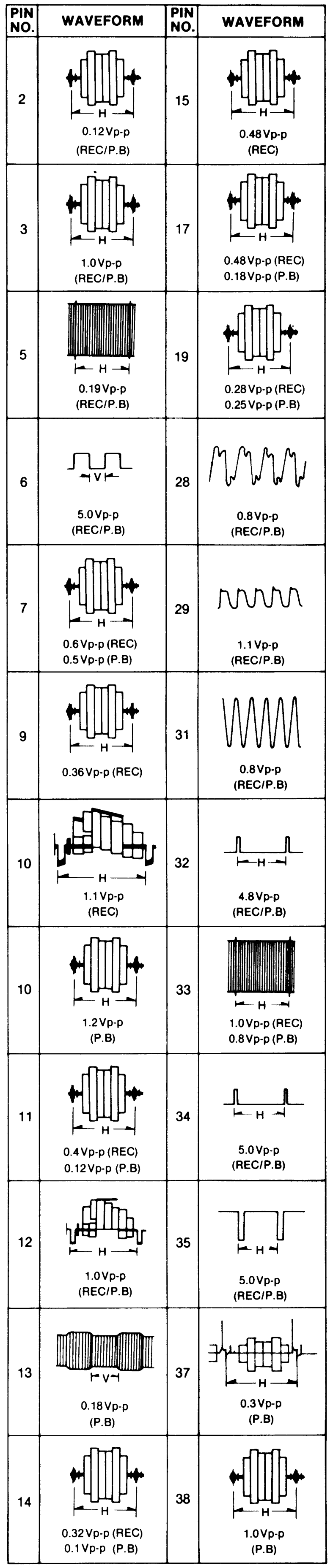
ADDRESS INFORMATION

IC301 (VEFH03D)



PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
1	V 2.0Vp-p (REC/P.B)	16	H 0.7Vp-p (REC) 0.6Vp-p (P.B)
2	H 4.8Vp-p (REC/P.B)	17	H 0.9Vp-p (REC/P.B)
3	H 1.0Vp-p (REC/P.B)	22	1.4Vp-p (REC)
5	H 0.9Vp-p (REC)	23	V 1.0Vp-p (P.B)
5	H 1.0Vp-p (P.B)	26	V 0.9Vp-p (P.B)
7, 8	H 0.46Vp-p (REC) 0.5Vp-p (P.B)	28	H 0.4Vp-p (P.B)
9	H 0.66Vp-p (REC)	30	H 1.2Vp-p (P.B)
10	H 0.6Vp-p(REC)	33	V 0.26Vp-p (P.B)
11	H 0.3Vp-p (REC/P.B)	35	H 0.4Vp-p (P.B)
12	H 0.07Vp-p (REC)	37, 38	H 0.9Vp-p (REC/P.B)
13	H 0.9Vp-p (REC/P.B)	40	H 2.3Vp-p (REC/P.B)
15	H 0.9Vp-p (REC/P.B)	41	V 0.5Vp-p (REC) 0.56Vp-p (P.B)

IC801 (VEFH04F)

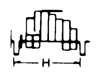
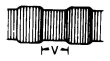
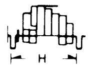
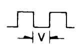
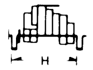
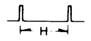
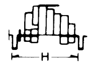
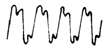
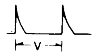
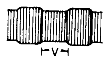
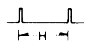
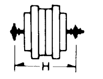
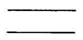
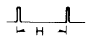
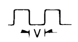


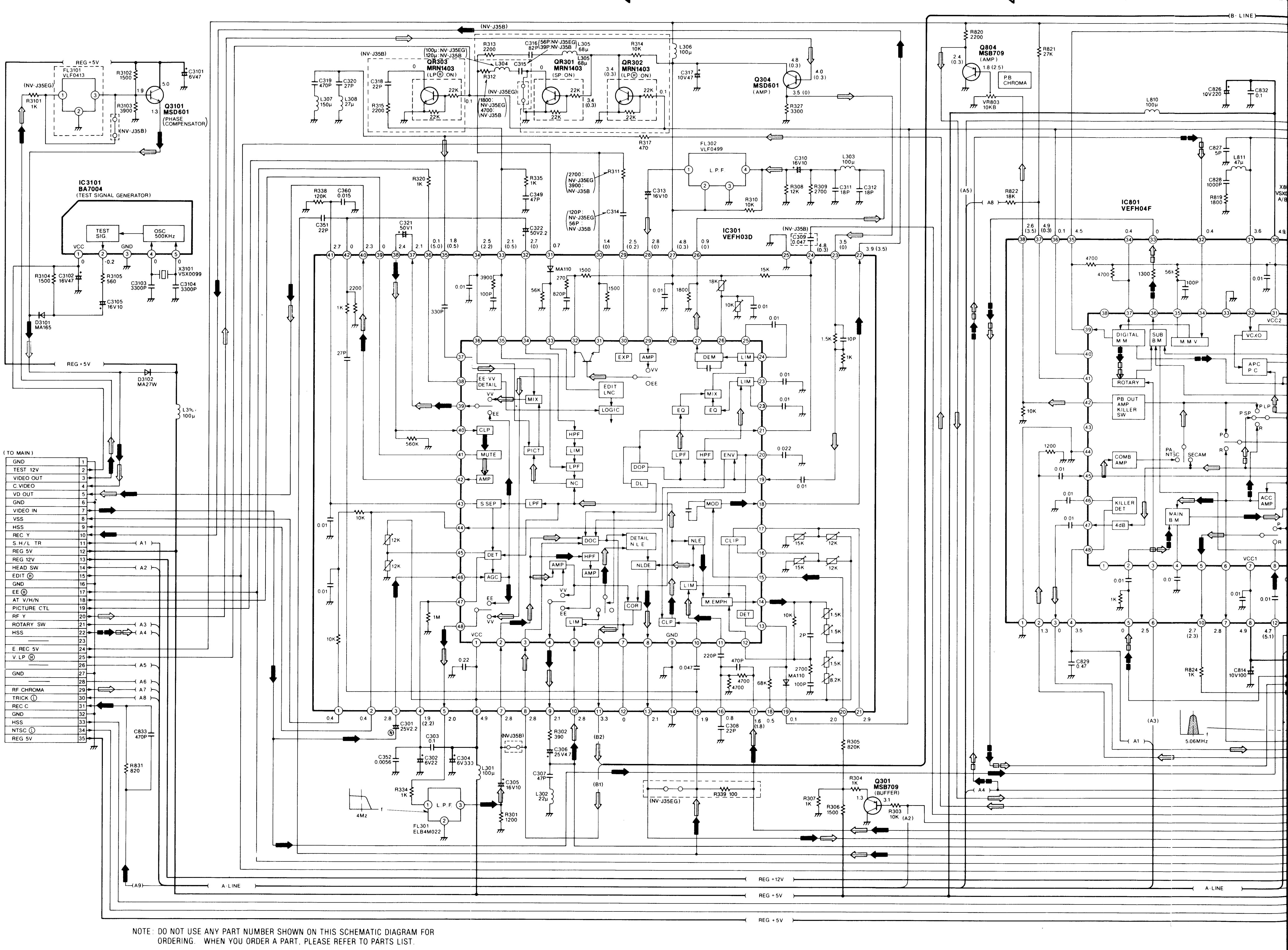
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
2	H 0.12Vp-p (REC/P.B)	15	H 0.48Vp-p (REC)
3	H 1.0Vp-p (REC/P.B)	17	H 0.48Vp-p (REC) 0.18Vp-p (P.B)
5	H 0.19Vp-p (REC/P.B)	19	H 0.28Vp-p (REC) 0.25Vp-p (P.B)
6	V 5.0Vp-p (REC/P.B)	28	0.8Vp-p (REC/P.B)
7	H 0.6Vp-p (REC) 0.5Vp-p (P.B)	29	1.1Vp-p (REC/P.B)
9	H 0.36Vp-p (REC)	31	0.8Vp-p (REC/P.B)
10	H 1.1Vp-p (REC)	32	H 4.8Vp-p (REC/P.B)
10	H 1.2Vp-p (P.B)	33	H 1.0Vp-p (REC) 0.8Vp-p (P.B)
11	H 0.4Vp-p (REC) 0.12Vp-p (P.B)	34	H 5.0Vp-p (REC/P.B)
12	H 1.0Vp-p (REC/P.B)	35	H 5.0Vp-p (REC/P.B)
13	V 0.18Vp-p (P.B)	37	H 0.3Vp-p (P.B)
14	H 0.32Vp-p (REC) 0.1Vp-p (P.B)	38	H 1.0Vp-p (P.B)

3-11. SUB MAIN (LUMINANCE & CHROMINANCE) SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE   MAIN SIGNAL PATH IN PLA

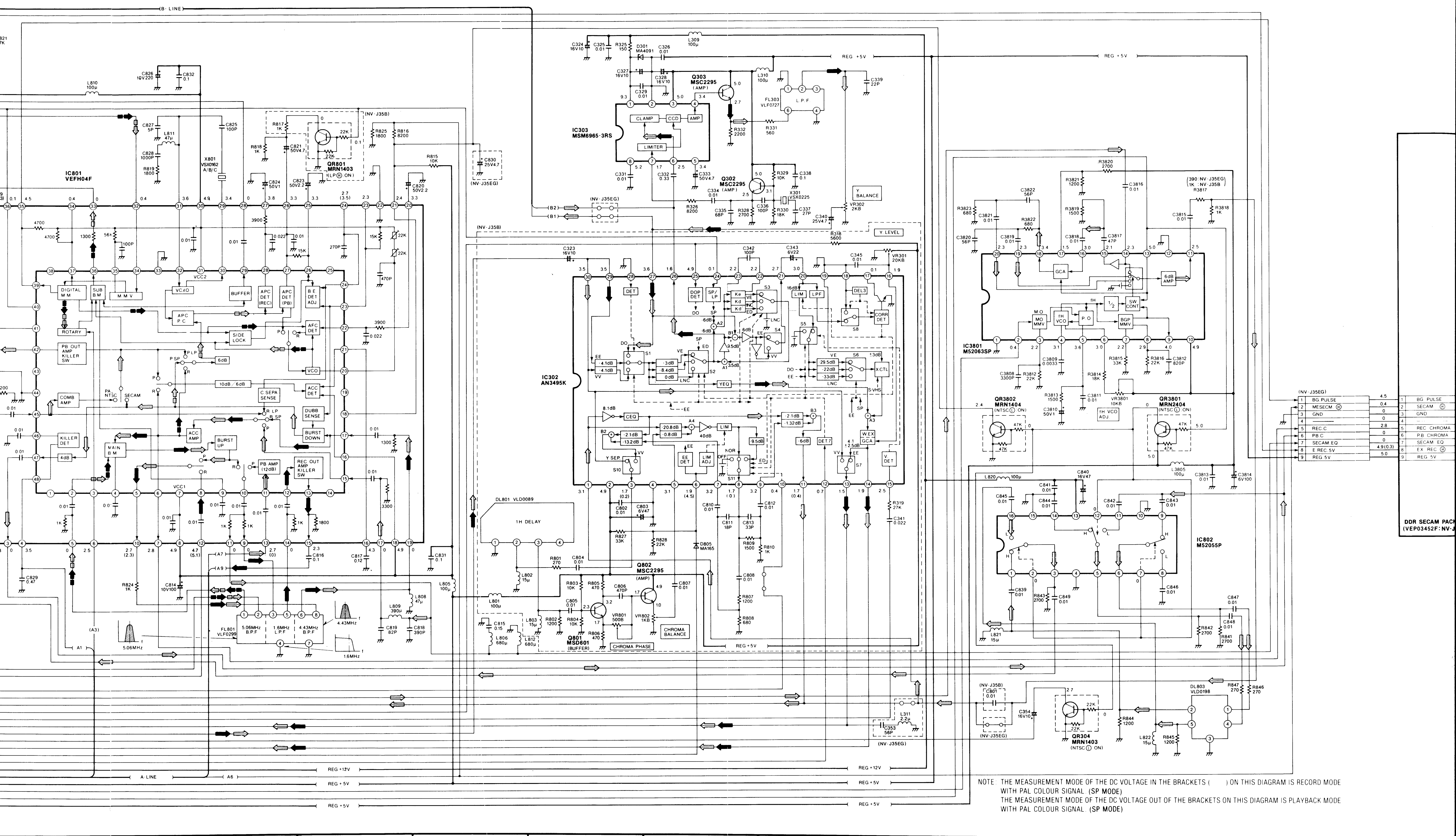
WAVEFORM OF SUB MAIN C.B.A. PINS

PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
3	 2.3Vp-p (REC/P.B)	20	 0.8Vp-p (P.B)
4	 1.2Vp-p (REC/P.B)	21	 5.0Vp-p (REC/P.B)
5	 2.3Vp-p (REC/P.B)	22	 5.0Vp-p (REC/P.B)
7	 1.0Vp-p (REC/P.B)	26	 0.8Vp-p (REC/P.B)
8	 2.0Vp-p (REC/P.B)	29	 0.15Vp-p (P.B)
9	 5.0Vp-p (REC/P.B)	31	 0.3Vp-p (REC)
10	 1.2Vp-p (REC)	33	 5.0Vp-p (REC/P.B)
14	 5.0Vp-p (REC/P.B)		


(TO MAIN)
1 GND
2 TEST 12V
3 VIDEO OUT
4 C VIDEO
5 VD OUT
6 GND
7 VIDEO IN
8 VSS
9 HSS
10 REC Y
11 S.H/L TR
12 REG 5V
13 REG 12V
14 HEAD SW
15 EDIT Ⓗ
16 GND
17 EE Ⓗ
18 AT V/H/N
19 PICTURE CTL
20 RF Y
21 ROTARY SW
22 HSS
24 E REC 5V
25 V LP Ⓗ
27 GND
29 RF CHROMA
30 TRICK Ⓛ
31 REC C
32 GND
33 HSS
34 NTSC Ⓛ
35 REG 5V
IC3101 BA7004 (TEST SIGNAL GENERATOR)
TEST SIG.
OSC 500KHz
Q3101 MSD601 (PHASE COMPENSATOR)
FL3101 VLF0413
X3101 VSX0099
D3101 MA165
D3102 MA27W
QR303 MRN1403 (LP Ⓗ ON)
QR301 MRN1403 (SP ON)
QR302 MRN1403 (LP Ⓗ ON)
Q304 MSD601 (AMP)
FL302 VLF0499
L.P.F
IC301 VEFH03D
EE·VV DETAIL
MIX
CLP
MUTE
AMP
S.SEP
DET
AGC
PICT
HPF
LIM
LPF
NC
EDIT LNC
LOGIC
EXP
DEM
DOP
DL
EQ
ENV
MOD
DOC
DETAIL N.L.E
NLE
NLDE
CLIP
M.EMPH
COR
FL301 ELB4M022
4Mz
Q301 MSB709 (BUFFER)
Q804 MSB709 (AMP)
PB CHROMA
IC801 VEFH04F
DIGITAL M.M
SUB B.M
M.M.V
VCXO
APC P.C
ROTARY
PB OUT AMP KILLER SW
COMB AMP
KILLER DET
4dB
MAIN B.M
ACC AMP
SECAM
5.06MHz
REG +12V
REG +5V
A-LINE
B-LINE

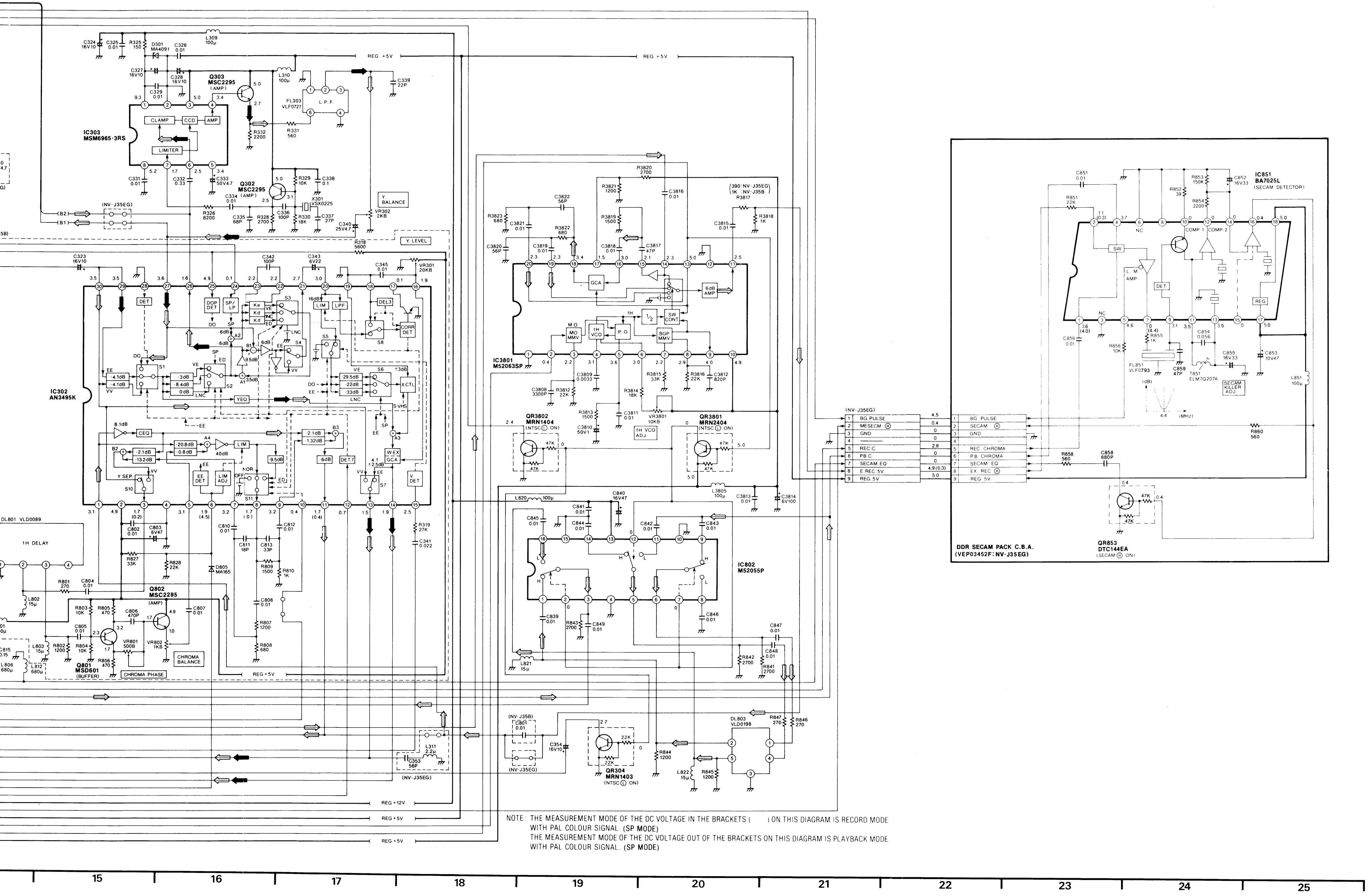
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

MAIN SIGNAL PATH IN PLAYBACK MODE ⬅■ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE ⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



IC801
VEFH04F
X801
VSX0162
A/B/C
QR801
MRN1403
(LP Ⓡ ON)
(NV-J35B)
(NV-J35EG)
C830
25V4.7
DIGITAL M M
SUB B M
M M V
VCXO
BUFFER
APC DET (REC)
APC DET (PB)
B E DET ADJ
AFC DET
APC P C
ROTARY
SIDE LOCK
PB OUT AMP KILLER SW
COMB AMP
KILLER DET
4dB
MAIN B M
ACC AMP
BURST UP
C SEPA SENSE
DUBB SENSE
BURST DOWN
PB AMP (12dB)
REC OUT AMP KILLER SW
ACC DET
VCO
10dB / 6dB
6dB
VCC1
VCC2
FL801
VLF0299
5.06MHz B.P.F
1.6MHz L.P.F
4.43MHz B.P.F
5.06MHz
4.43MHz
1.6MHz
A-LINE
B-LINE
REG +12V
REG +5V
IC303
MSM6965-3RS
CLAMP
CCD
AMP
LIMITER
Q303
MSC2295
(AMP)
Q302
MSC2295
(AMP)
FL303
VLF0727
L.P.F
X301
VSX0225
Y BALANCE
VR302
2KB
Y LEVEL
IC302
AN3495K
DET
DOP DET
SP/LP
Ke
Kd
Kd
LIM
LPF
DEL3
CORR DET
XCTL
CEQ
YEQ
LIM
6dB
DET7
W.EX GCA
V DET
Y SEP
EE DET
LIM ADJ
NOR
OFF
DL801 VLD0089
1H DELAY
Q802
MSC2295
(AMP)
Q801
MSD601
(BUFFER)
CHROMA PHASE
CHROMA BALANCE
VR801
500B
VR802
1KB
IC3801
M52063SP
GCA
6dB AMP
SW CONT
1/2
MO MMV
1H VCO
P O
BGP MMV
1H VCO ADJ
QR3802
MRN1404
(NTSC Ⓛ ON)
QR3801
MRN2404
(NTSC Ⓛ ON)
IC802
M52055P
DL803
VLD0198
QR304
MRN1403
(NTSC Ⓛ ON)
(390:NV-J35EG)
(1K :NV-J35B)
1 BG PULSE
2 MESECM Ⓗ
3 GND
4
5 REC.C
6 PB C
7 SECAM EQ
8 E REC 5V
9 REG 5V
BG PULSE
SECAM Ⓗ
GND
REC CHROMA
P.B CHROMA
SECAM EQ
EX REC Ⓗ
REG 5V
DDR SECAM PAC
(VEP03452F:NV-J
10
11
12
13
14
15
16
17
18
19
20
21
22

NOTE THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL (SP MODE)

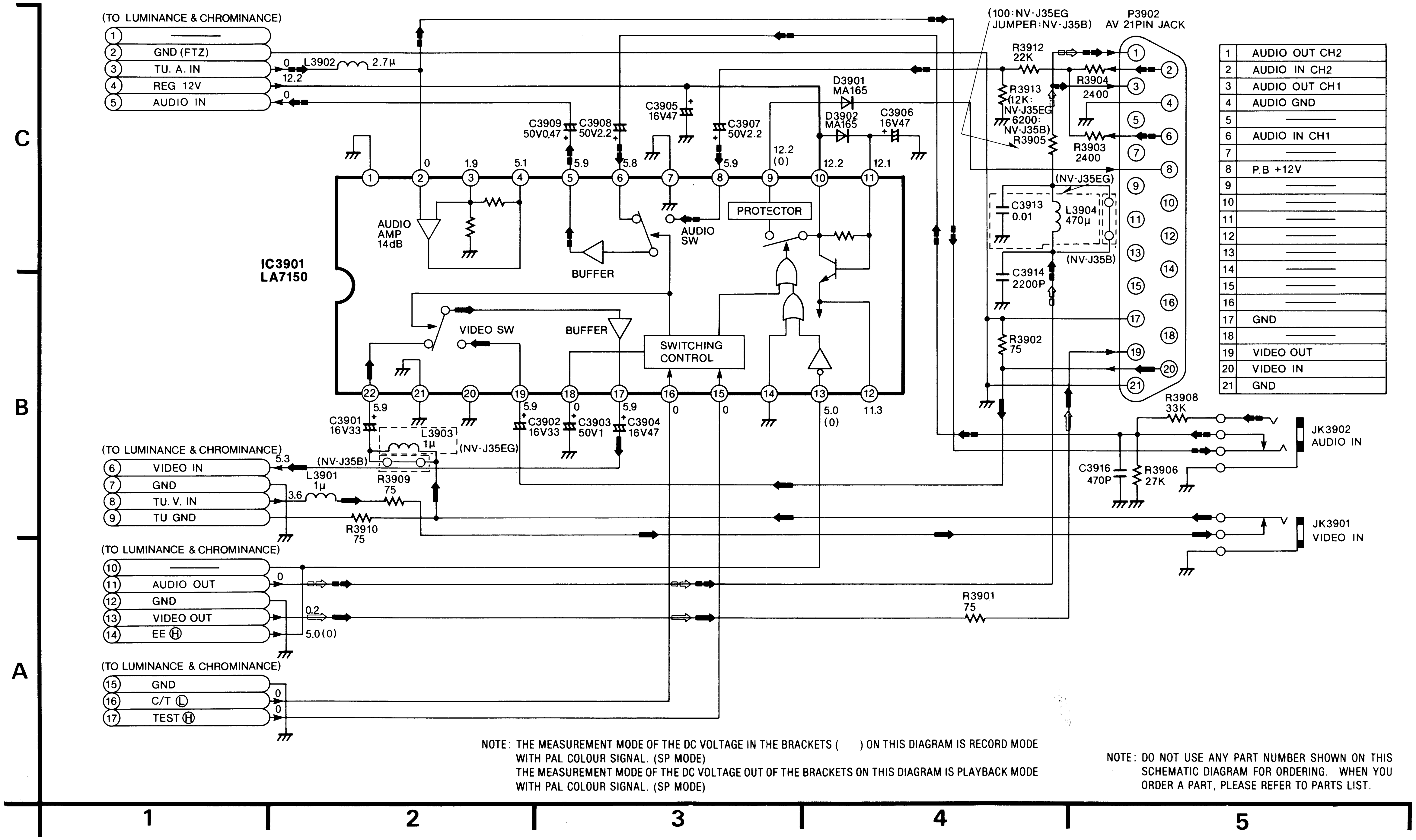

IC303
MSM6965-3RS
CLAMP
CCD
AMP
LIMITER
Q303
MSC2295
(AMP)
Q302
MSC2295
(AMP)
FL303
VLF0727
L.P.F.
X301
VSX0225
VR302
2KB
Y BALANCE
Y LEVEL
REG +5V
(NV-J35EG)
IC302
AN3495K
VR301
20KB
Q802
MSC2295
(AMP)
Q801
MSD601
(BUFFER)
VR801
500B
VR802
1KB
CHROMA BALANCE
CHROMA PHASE
DL801 VLD0089
1H DELAY
D805
MA165
REG +12V
IC3801
M52063SP
QR3802
MRN1404
(NTSC Ⓛ ON)
QR3801
MRN2404
(NTSC Ⓛ ON)
VR3801
10KB
fH VCO ADJ
(390: NV-J35EG)
(1K : NV-J35B)
IC802
M52055P
L820 100μ
L821 15μ
(NV-J35B)
C801 0.01
(NV-J35EG)
L311 2.2μ
C353 56P
QR304
MRN1403
(NTSC Ⓛ ON)
DL803
VLD0198
L822 15μ
IC851
BA7025L
(SECAM DETECTOR)
FL851
VLF0793
T851
ELM7Q207A
SECAM KILLER ADJ
L851 100μ
BG PULSE
MESECM Ⓗ
GND
REC C
PB C
SECAM EQ
E REC 5V
REG 5V
SECAM Ⓗ
REC CHROMA
P.B CHROMA
EX. REC Ⓗ
QR853
DTC144EA
(SECAM Ⓗ ON)
DDR SECAM PACK C.B.A.
(VEP03452F: NV-J35EG)
15
16
17
18
19
20
21
22
23
24
25

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

Next Page:
INPUT/OUTPUT & HEAD AMP Section

3-12. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

◀■ VIDEO MAIN SIGNAL PATH IN REC MODE
◁□ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
◀■■ AUDIO MAIN SIGNAL PATH IN REC MODE
◁□□ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



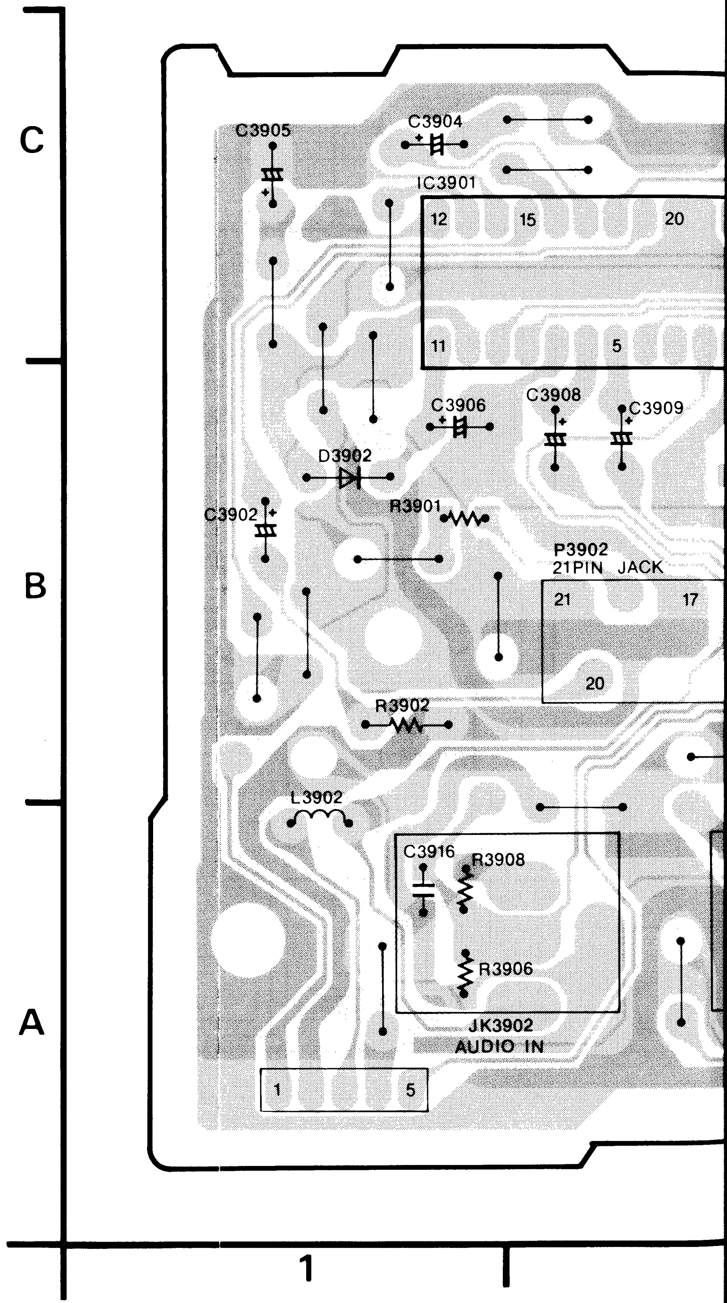
(TO LUMINANCE & CHROMINANCE)
① ———
② GND (FTZ)
③ TU. A. IN
④ REG 12V
⑤ AUDIO IN
L3902 2.7μ
12.2
IC3901
LA7150
AUDIO AMP 14dB
BUFFER
AUDIO SW
PROTECTOR
VIDEO SW
BUFFER
SWITCHING CONTROL
C3909 50V0.47
C3908 50V2.2
C3905 16V47
C3907 50V2.2
D3901 MA165
D3902 MA165
C3906 16V47
C3901 16V33
C3902 16V33
C3903 50V1
C3904 16V47
L3903 1μ
(NV-J35EG)
(NV-J35B)
L3901 1μ
R3909 75
R3910 75
(TO LUMINANCE & CHROMINANCE)
⑥ VIDEO IN
⑦ GND
⑧ TU. V. IN
⑨ TU GND
(TO LUMINANCE & CHROMINANCE)
⑩ ———
⑪ AUDIO OUT
⑫ GND
⑬ VIDEO OUT
⑭ EE Ⓗ
(TO LUMINANCE & CHROMINANCE)
⑮ GND
⑯ C/T Ⓛ
⑰ TEST Ⓗ
5.0(0)
(100:NV-J35EG JUMPER:NV-J35B)
P3902 AV 21PIN JACK
R3912 22K
R3913 (12K: NV-J35EG 6200: NV-J35B)
R3904 2400
R3905
R3903 2400
(NV-J35EG)
C3913 0.01
L3904 470μ
(NV-J35B)
C3914 2200P
R3902 75
R3908 33K
JK3902 AUDIO IN
C3916 470P
R3906 27K
JK3901 VIDEO IN
R3901 75
C
B
A
1
2
3
4
5

1	AUDIO OUT CH2
2	AUDIO IN CH2
3	AUDIO OUT CH1
4	AUDIO GND
5	———
6	AUDIO IN CH1
7	———
8	P.B +12V
9	———
10	———
11	———
12	———
13	———
14	———
15	———
16	———
17	GND
18	———
19	VIDEO OUT
20	VIDEO IN
21	GND

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-13. INPUT/OUTPUT PACK C.B.A.
(VEP03594B: NV-J35EG) (VEP035

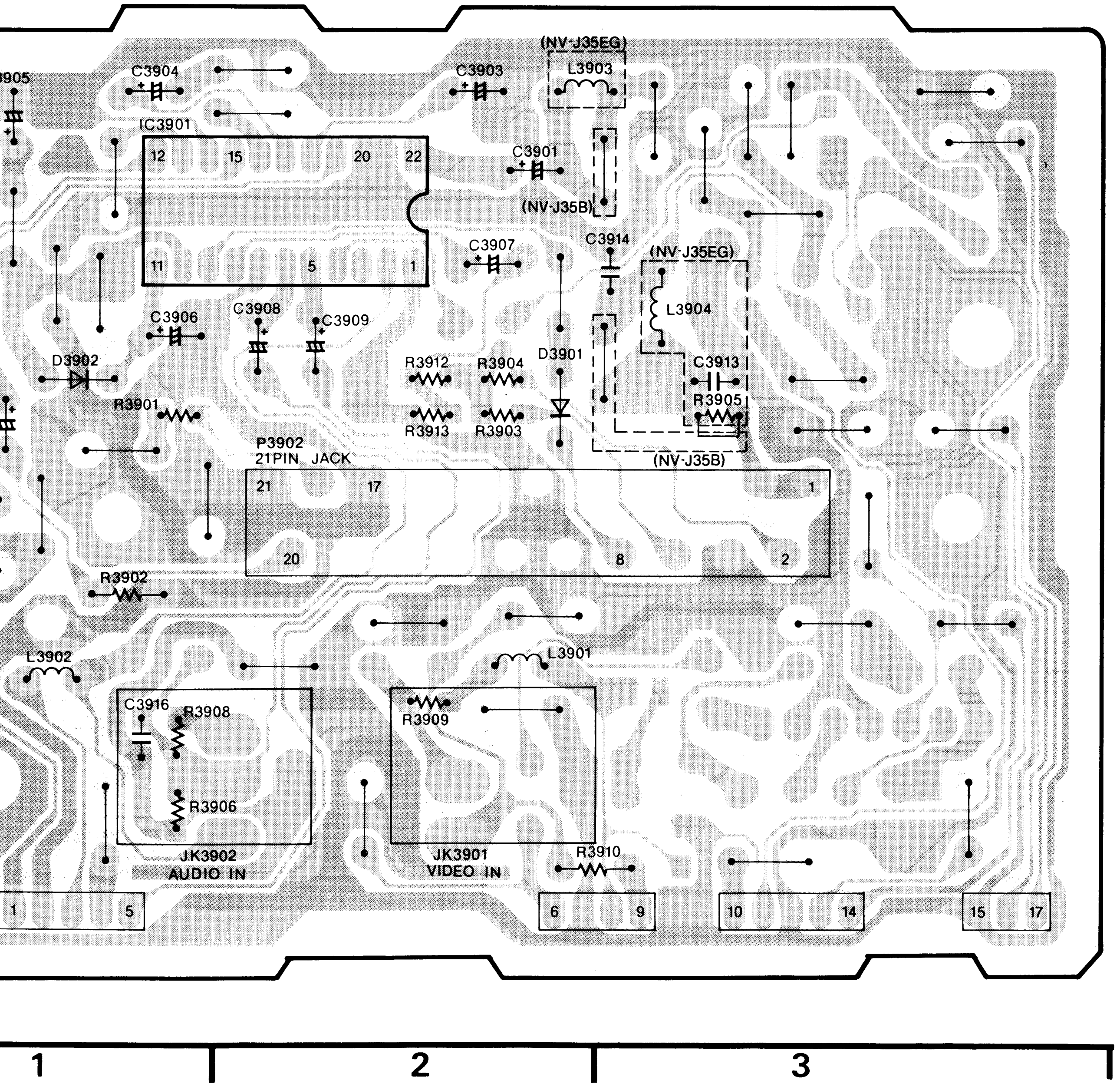


C
B
A
1
C3905
C3904
IC3901
12
15
20
11
5
C3906
C3908
C3909
D3902
C3902
R3901
P3902 21PIN JACK
21
17
20
R3902
L3902
C3916
R3908
R3906
JK3902 AUDIO IN
1
5

/OUTPUT PACK C.B.A.
594B: NV-J35EG) (VEP03594AD: NV-J35B)

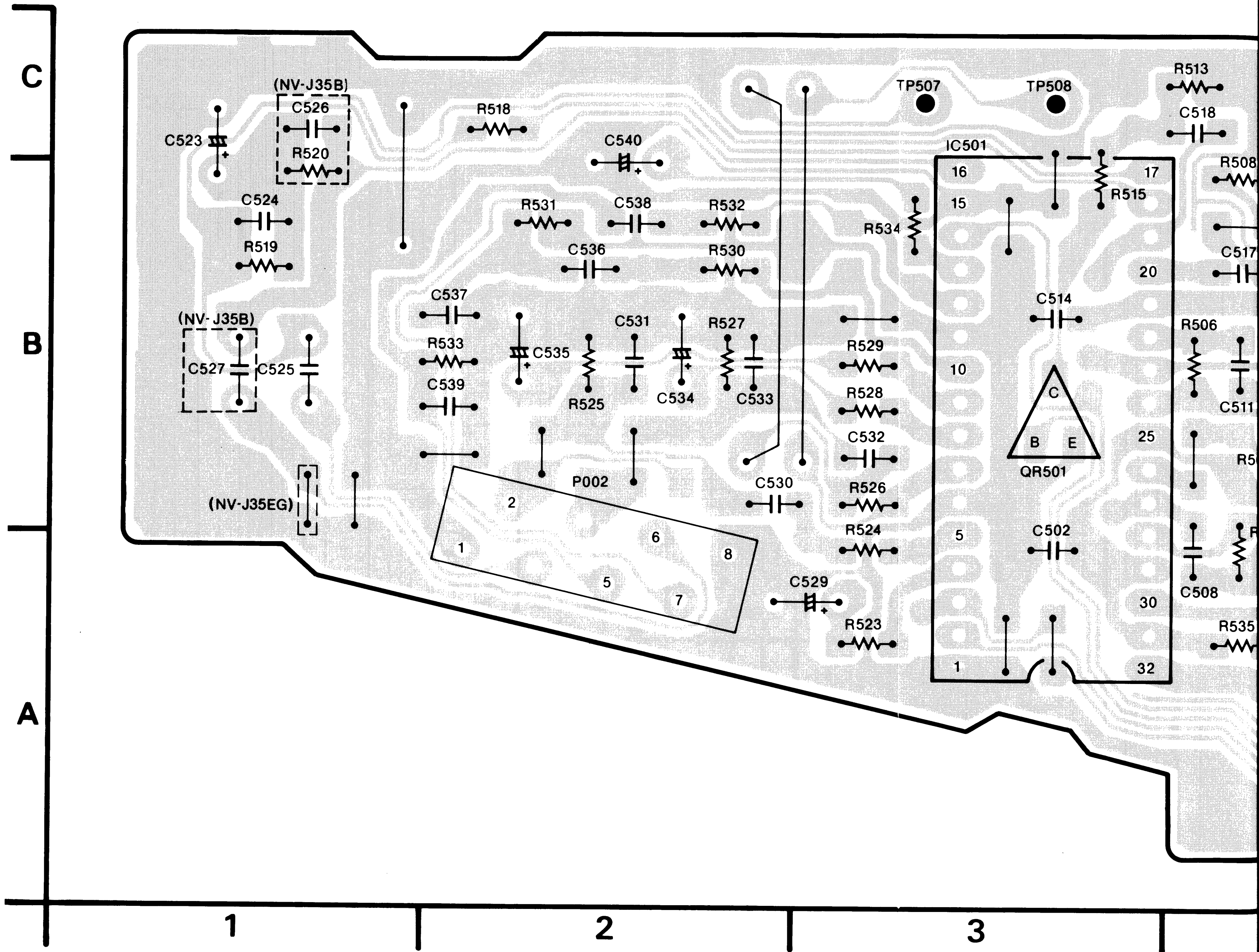
INPUT/OUTPUT PACK C.B.A.	
Integrated Circuit	
IC3901	C-1
Connector	
P3902 JK3901 JK3902	B-2 A-2 A-1

ADDRESS INFORMATION



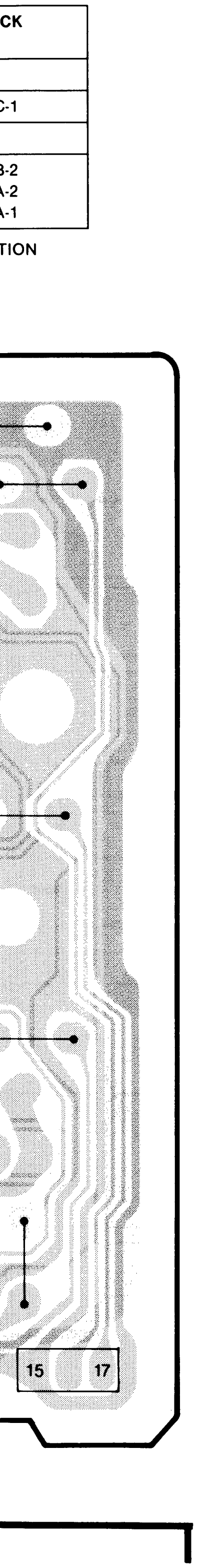
3905
C3904
IC3901
12
15
20
22
11
5
1
C3903
(NV-J35EG)
L3903
C3901
(NV-J35B)
C3907
C3914
(NV-J35EG)
L3904
C3906
C3908
C3909
D3902
R3901
R3912
R3904
D3901
R3913
R3903
C3913
R3905
(NV-J35B)
P3902
21PIN JACK
21
17
1
20
8
2
R3902
L3902
L3901
C3916
R3908
R3906
JK3902
AUDIO IN
R3909
JK3901
VIDEO IN
R3910
1
5
6
9
10
14
15
17
1
2
3

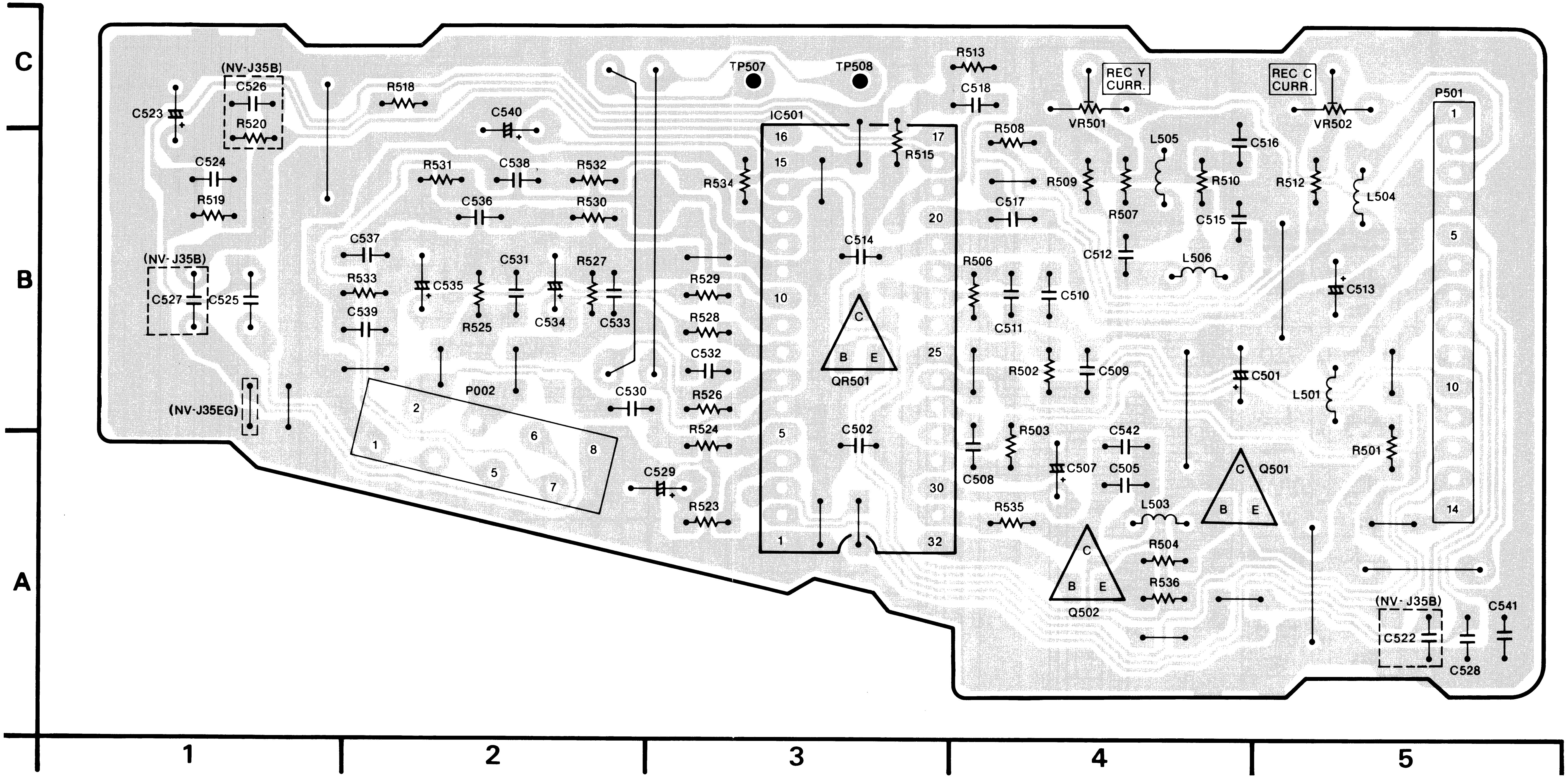
3-14. HEAD AMP C.B.A. (VEP05137D: NV-35EG) (VEP05137A: NV-J35B)



C
B
A
(NV-J35B)
C526
R520
C523
R518
C540
TP507
TP508
R513
C518
IC501
16
17
15
R515
R508
C524
R519
R531
C538
R532
R534
C536
R530
20
C517
C537
C514
(NV-J35B)
R506
C531
R527
C533
R533
C535
R525
C534
R529
R528
10
C527
C525
C539
C
B
E
QR501
C511
25
C532
R5
P002
C530
R526
2
(NV-J35EG)
6
R524
5
1
8
C502
5
7
C529
C508
30
R523
R535
1
32
1
2
3

3-14. HEAD AMP C.B.A. (VEP05137D: NV-35EG) (VEP05137A: NV-J35B)

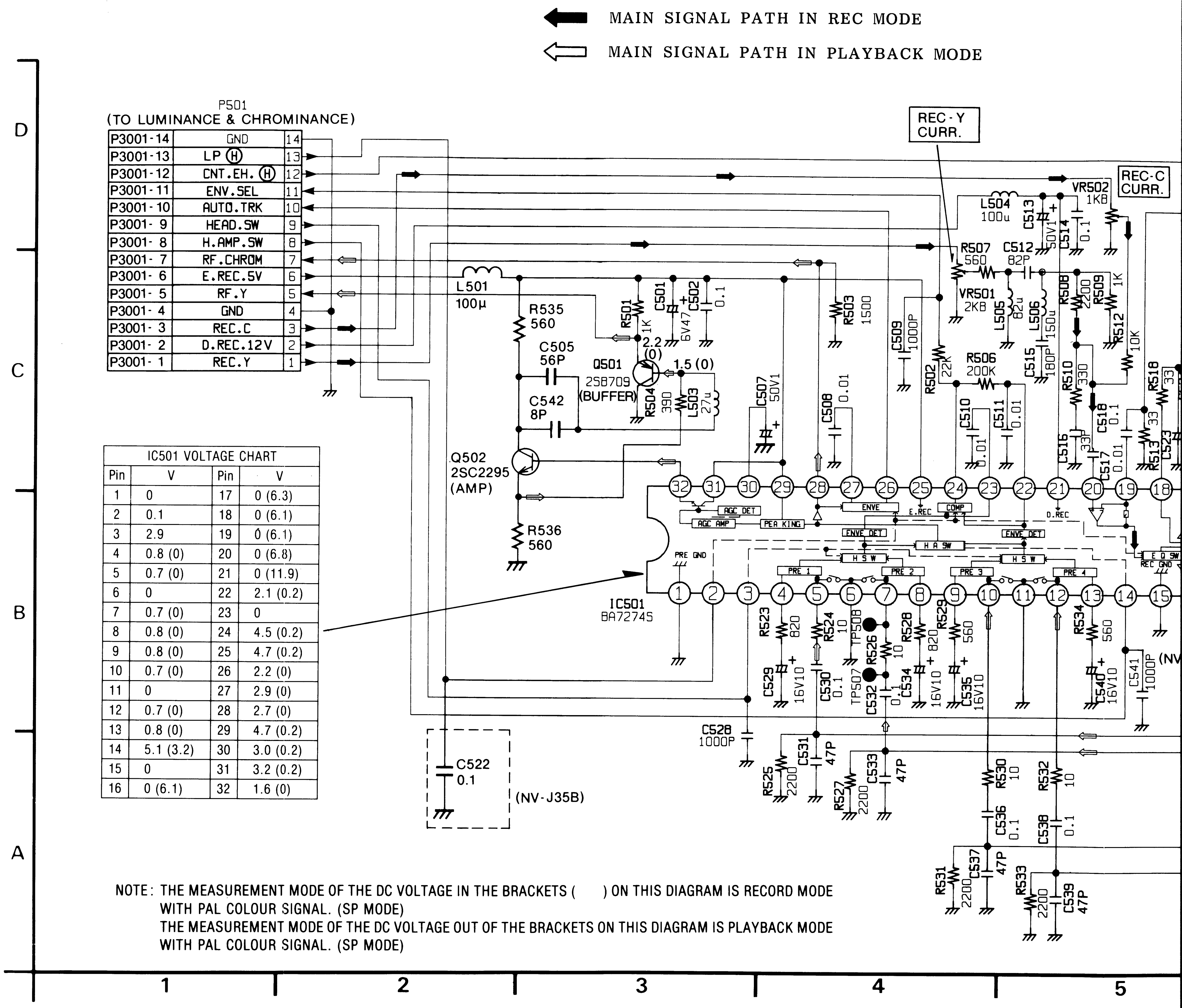

CK
C-1
3-2
A-2
A-1
TION
15
17


C
B
A
1
2
3
4
5
C523
(NV-J35B)
C526
R520
C524
R519
(NV-J35B)
C527
C525
(NV-J35EG)
R518
C540
R531
C538
R532
C536
R530
C537
R533
C535
C539
R525
C531
C534
R527
C533
P002
2
1
6
8
5
7
C530
C529
TP507
TP508
R534
R529
R528
C532
R526
R524
R523
IC501
16
15
17
20
10
5
25
30
1
32
R515
C514
C
B
E
QR501
C502
R513
C518
R508
R509
C517
R506
C511
C510
R502
C509
C508
R503
C507
C542
C505
R535
REC Y CURR.
VR501
R507
C512
L505
R510
C516
C515
L506
C501
L503
R504
R536
C
B
E
Q502
C
B
E
Q501
REC C CURR.
VR502
R512
L504
C513
L501
R501
P501
1
5
10
14
(NV-J35B)
C522
C528
C541

HEAD AMP C.B.A.			
Transistor		**Adjustment**	
Q501	A-5	VR501	C-4
Q502	A-4	VR502	C-5
Transistor & Resistor		**Connector**	
QR501	B-3	P002	B-2
Integrated Circuit		P501	C-5
IC501	C-3		
Test Point			
TP507	C-3		
TP508	C-3		

ADDRESS INFORMATION

3-15. HEAD AMP SCHEMATIC DIAGRAM


MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
D
C
B
A
1
2
3
4
5
P501
(TO LUMINANCE & CHROMINANCE)
P3001-14 GND 14
P3001-13 LP Ⓗ 13
P3001-12 CNT.EH. Ⓗ 12
P3001-11 ENV.SEL 11
P3001-10 AUTO.TRK 10
P3001- 9 HEAD.SW 9
P3001- 8 H.AMP.SW 8
P3001- 7 RF.CHROM 7
P3001- 6 E.REC.5V 6
P3001- 5 RF.Y 5
P3001- 4 GND 4
P3001- 3 REC.C 3
P3001- 2 D.REC.12V 2
P3001- 1 REC.Y 1
REC-Y CURR.
REC-C CURR.
VR502 1KB
L504 100u
C513 50V1
C514 0.1
R507 560
C512 82P
VR501 2KB
L505 82u
L506 150u
R508 2200
R509 1K
R512 10K
L501 100μ
R535 560
R501 1K
C501 6V47
C502 0.1
C505 56P
Q501 2SB709 (BUFFER)
2.2 (0)
1.5 (0)
R504 390
L503 27u
C542 8P
R503 1500
C509 1000P
R502 22K
R506 200K
C515 180P
R510 330
R518 33
C507 50V1
C508 0.01
C510 0.01
C511 0.01
C516 33P
C518 0.1
C517 0.01
R513 33
R523
Q502 2SC2295 (AMP)
R536 560
AGC DET
AGC AMP
PEA KING
ENVE
ENVE DET
E.REC
COMP
H A SW
H S W
D.REC
EQ SW
REC GND
PRE GND
PRE 1
PRE 2
PRE 3
PRE 4
IC501 BA7274S
R523 820
R524 10
TP508
R526 10
R528 820
R529 560
R534 560
C529 16V10
C530 0.1
TP507
C532 0.1
C534 16V10
C535 16V10
C540 16V10
C541 1000P
(NV
C528 1000P
C531 47P
R525 2200
R527 2200
C533 47P
R530 10
R532 10
C536 0.1
C538 0.1
R531 2200
C537 47P
R533 2200
C539 47P
C522 0.1
(NV-J35B)

IC501 VOLTAGE CHART			
Pin	V	Pin	V
1	0	17	0 (6.3)
2	0.1	18	0 (6.1)
3	2.9	19	0 (6.1)
4	0.8 (0)	20	0 (6.8)
5	0.7 (0)	21	0 (11.9)
6	0	22	2.1 (0.2)
7	0.7 (0)	23	0
8	0.8 (0)	24	4.5 (0.2)
9	0.8 (0)	25	4.7 (0.2)
10	0.7 (0)	26	2.2 (0)
11	0	27	2.9 (0)
12	0.7 (0)	28	2.7 (0)
13	0.8 (0)	29	4.7 (0.2)
14	5.1 (3.2)	30	3.0 (0.2)
15	0	31	3.2 (0.2)
16	0 (6.1)	32	1.6 (0)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

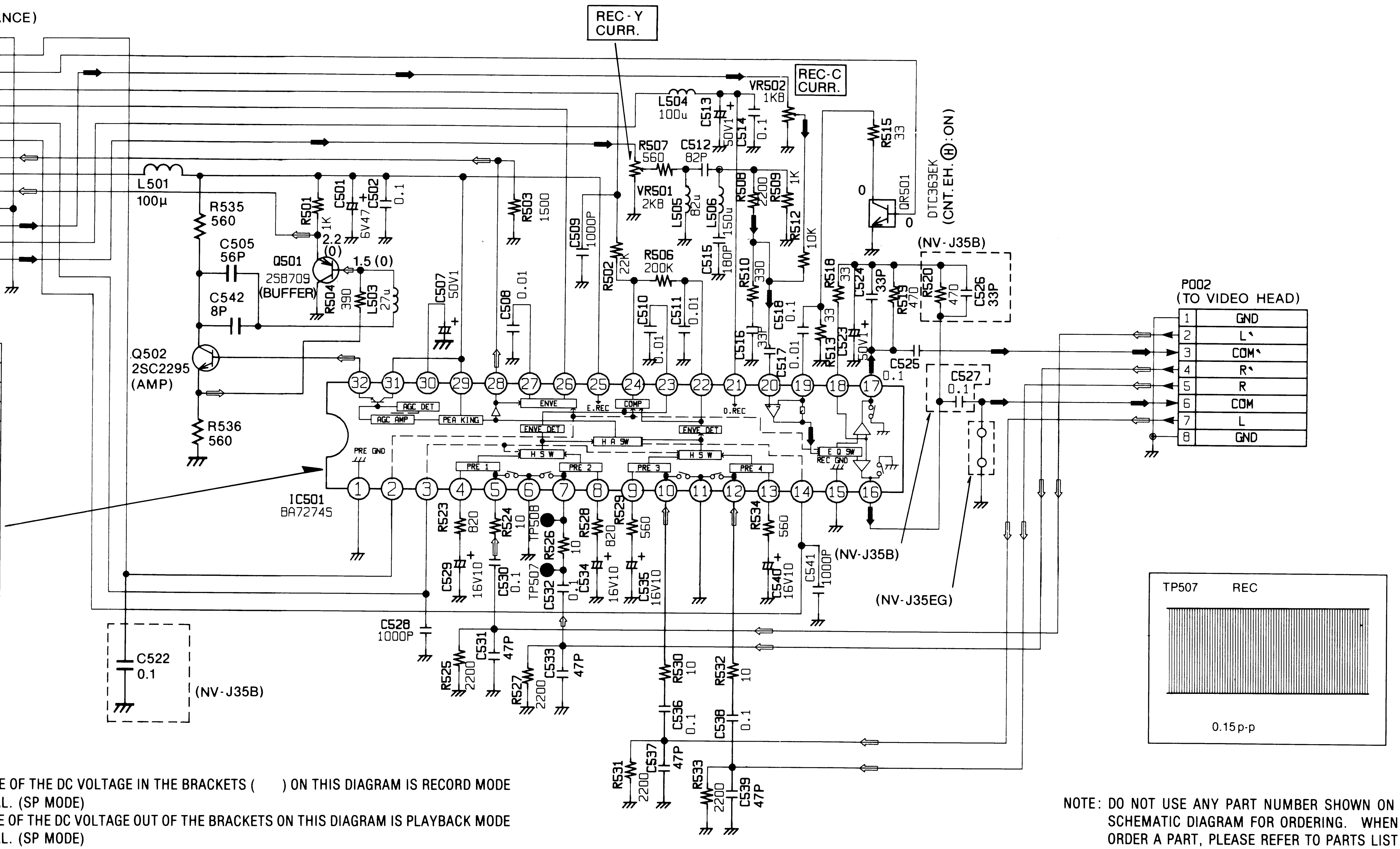
AMP SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE

P501
O LUMINANCE & CHROMINANCE)

3001-14	GND	14
3001-13	LP Ⓗ	13
3001-12	CNT.EH. Ⓗ	12
3001-11	ENV.SEL	11
3001-10	AUTO.TRK	10
3001- 9	HEAD.SW	9
3001- 8	H.AMP.SW	8
3001- 7	RF.CHROM	7
3001- 6	E.REC.5V	6
3001- 5	RF.Y	5
3001- 4	GND	4
3001- 3	REC.C	3
3001- 2	D.REC.12V	2
3001- 1	REC.Y	1


REC-Y
CURR.
REC-C
CURR.
L504
100u
C513
50V1
C514
0.1
VR502
1KB
R515
33
R507
560
C512
82P
VR501
2KB
L505
82u
L506
150u
R508
2200
R509
1K
R512
10K
DR501
DTC363EK
(CNT.EH. Ⓗ:ON)
0
0
L501
100μ
R535
560
R501
1K
C501
6V47
C502
0.1
R503
1500
C509
1000P
R502
22K
R506
200K
C515
180P
R510
330
R518
33
C524
33P
(NV-J35B)
R520
470
C526
33P
R519
470
C505
56P
Q501
2SB709
(BUFFER)
2.2
(0)
1.5 (0)
C542
8P
R504
390
L503
27u
C507
50V1
C508
0.01
C510
0.01
C511
0.01
C516
33P
C518
0.1
C517
0.01
R513
33
C523
50V1
C525
0.1
C527
0.1
P002
(TO VIDEO HEAD)
1 GND
2 L'
3 COM'
4 R'
5 R
6 COM
7 L
8 GND
Q502
2SC2295
(AMP)
R536
560
AGC DET
AGC AMP
PEA KING
ENVE
E.REC
COMP
D.REC
ENVE DET
H A SW
ENVE DET
H S W
H S W
E Q SW
REC GND
PRE GND
PRE 1
PRE 2
PRE 3
PRE 4
IC501
BA7274S
R523
820
R524
10
TP508
R526
10
R528
820
R529
560
R534
560
C529
16V10
C530
0.1
TP507
C532
0.1
C534
16V10
C535
16V10
C540
16V10
C541
1000P
(NV-J35B)
(NV-J35EG)
C522
0.1
(NV-J35B)
C528
1000P
R525
2200
C531
47P
R527
2200
C533
47P
R530
10
R532
10
C536
0.1
C538
0.1
R531
2200
C537
47P
R533
2200
C539
47P
TP507
REC
0.15p-p

IC501 VOLTAGE CHART			
n	V	Pin	V
	0	17	0 (6.3)
	0.1	18	0 (6.1)
	2.9	19	0 (6.1)
	0.8 (0)	20	0 (6.8)
	0.7 (0)	21	0 (11.9)
	0	22	2.1 (0.2)
	0.7 (0)	23	0
	0.8 (0)	24	4.5 (0.2)
	0.8 (0)	25	4.7 (0.2)
	0.7 (0)	26	2.2 (0)
	0	27	2.9 (0)
	0.7 (0)	28	2.7 (0)
	0.8 (0)	29	4.7 (0.2)
	5.1 (3.2)	30	3.0 (0.2)
	0	31	3.2 (0.2)
	0 (6.1)	32	1.6 (0)

OTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

1	2	3	4	5	6	7

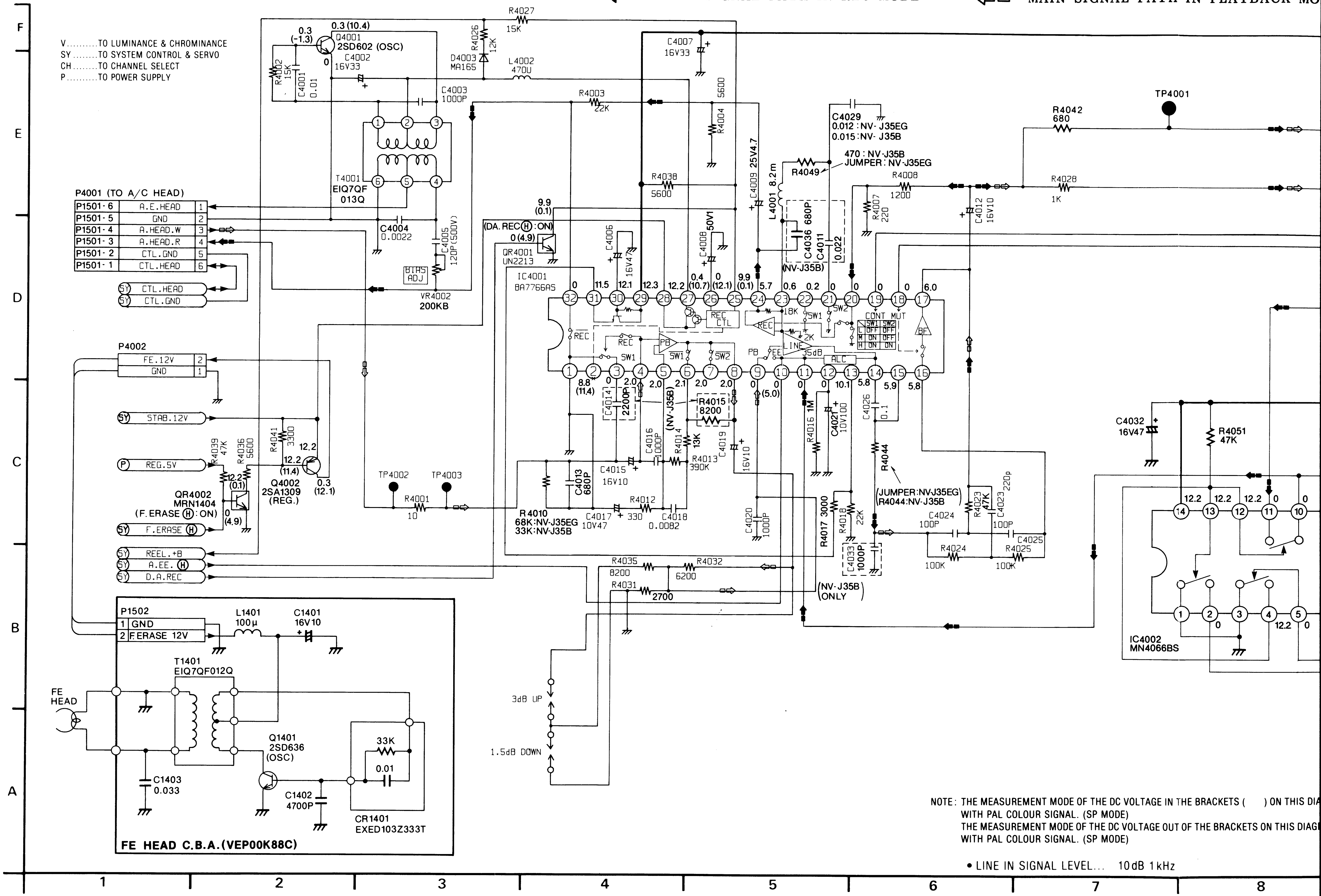
Next Page:
AUDIO Section

3-16. AUDIO SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MO

V..........TO LUMINANCE & CHROMINANCE
SY........TO SYSTEM CONTROL & SERVO
CH........TO CHANNEL SELECT
P..........TO POWER SUPPLY

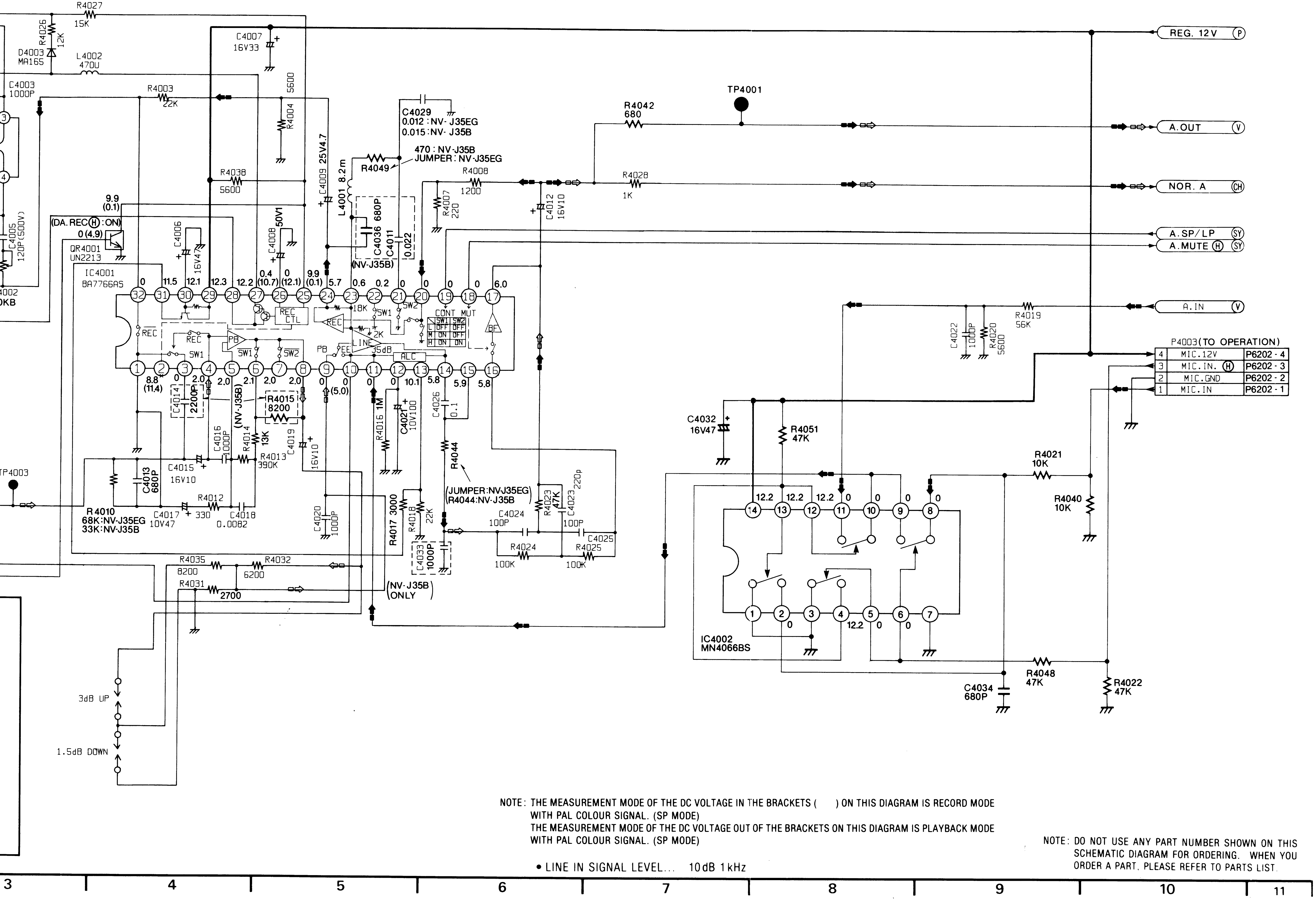


F
E
D
C
B
A
1
2
3
4
5
6
7
8
R4027
15K
0.3 (10.4)
0.3
(-1.3)
Q4001
2SD602 (OSC)
C4002
16V33
R4002
15K
C4001
0.01
R4026
12K
D4003
MA165
L4002
470U
C4003
1000P
R4003
22K
C4007
16V33
R4004
5600
T4001
EIQ7QF
013Q
P4001 (TO A/C HEAD)
P1501-6
A.E.HEAD
P1501-5
GND
P1501-4
A.HEAD.W
P1501-3
A.HEAD.R
P1501-2
CTL.GND
P1501-1
CTL.HEAD
SY CTL.HEAD
SY CTL.GND
C4004
0.0022
C4005
120P(500V)
BIAS ADJ
VR4002
200KB
9.9
(0.1)
(DA.REC H :ON)
0 (4.9)
QR4001
UN2213
IC4001
BA7766AS
R4038
5600
C4006
16V47
C4008
50V1
C4009 25V4.7
L4001 8.2m
C4036 680P
C4011
0.022
(NV-J35B)
C4029
0.012 : NV- J35EG
0.015 : NV- J35B
R4049
470 : NV-J35B
JUMPER : NV-J35EG
R4008
1200
R4007
220
C4012
16V10
R4042
680
R4028
1K
TP4001
REC
REC CTL
SW1
SW2
PB
LINE
35dB
ALC
CONT MUT
BF
18K
2K
P4002
FE.12V
GND
SY STAB.12V
P REG.5V
R4041
3300
R4039
47K
R4036
5600
12.2
(11.4)
Q4002
2SA1309
(REG.)
0.3
(12.1)
QR4002
MRN1404
(F.ERASE H : ON)
0
(4.9)
SY F.ERASE H
SY REEL.+B
SY A.EE. H
SY D.A.REC
TP4002
TP4003
R4001
10
C4014
2200P
R4015
8200
R4014
13K
C4016
1000P
C4019
16V10
R4013
390K
C4013
680P
C4015
16V10
R4010
68K:NV-J35EG
33K:NV-J35B
C4017
10V47
R4012
330
C4018
0.0082
R4016 1M
C4021
10V100
C4026
0.1
R4044
(JUMPER:NV-J35EG)
(R4044:NV-J35B)
R4017 3000
R4018
22K
C4020
1000P
C4033
1000P
R4023
47K
C4023
220p
C4024
100P
C4025
100P
R4024
100K
R4025
100K
C4032
16V47
R4051
47K
R4035
8200
R4032
6200
R4031
2700
(NV-J35B)
ONLY
3dB UP
1.5dB DOWN
IC4002
MN4066BS
P1502
GND
F.ERASE 12V
L1401
100μ
C1401
16V10
T1401
EIQ7QF012Q
FE
HEAD
Q1401
2SD636
(OSC)
33K
0.01
C1403
0.033
C1402
4700P
CR1401
EXED103Z333T
FE HEAD C.B.A.(VEP00K88C)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIA
WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAG
WITH PAL COLOUR SIGNAL. (SP MODE)

- LINE IN SIGNAL LEVEL... 10dB 1kHz

◀■ MAIN SIGNAL PATH IN REC MODE　　⇦□ MAIN SIGNAL PATH IN PLAYBACK MODE

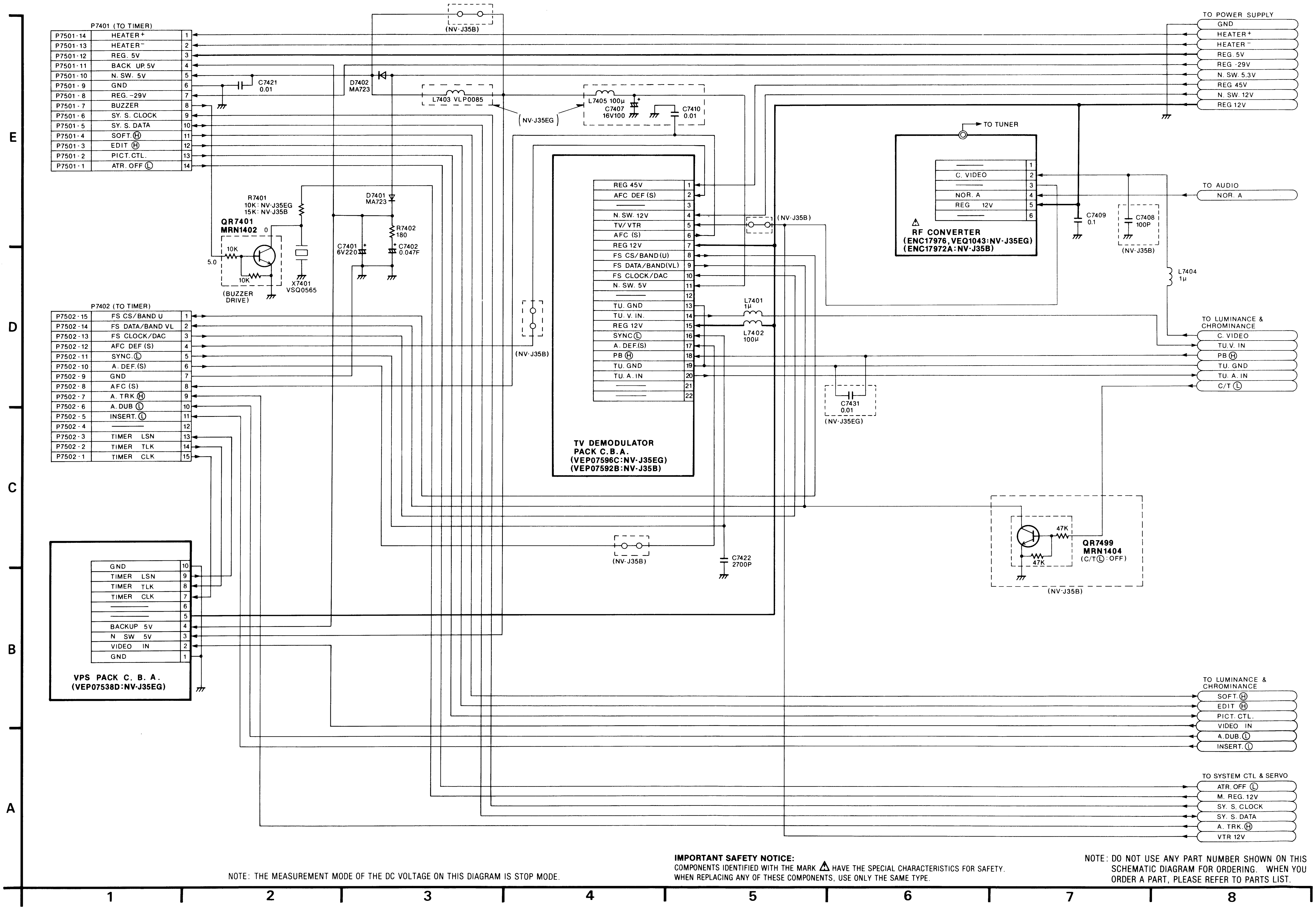

R4027
15K
R4026
12K
D4003
MA165
L4002
470U
C4003
1000P
C4007
16V33
R4003
22K
R4004
5600
R4038
5600
C4009 25V4.7
L4001 8.2m
C4029
0.012 : NV-J35EG
0.015 : NV-J35B
470 : NV-J35B
JUMPER : NV-J35EG
R4049
R4008
1200
R4007
220
C4036 680P
C4011
0.022
(NV-J35B)
TP4001
R4042
680
R4028
1K
C4012
16V10
REG. 12V
A.OUT
NOR. A
A.SP/LP
A.MUTE Ⓗ
A.IN
R4019
56K
C4022
1000P
R4020
5600
P4003(TO OPERATION)
4 MIC.12V P6202-4
3 MIC.IN. Ⓗ P6202-3
2 MIC.GND P6202-2
1 MIC.IN P6202-1
9.9
(0.1)
(DA.REC Ⓗ : ON)
0 (4.9)
QR4001
UN2213
C4005
120P(500V)
C4006
16V47
C4008
50V1
IC4001
BA7766AS
REC CTL
REC
PB
SW1
SW2
LINE
35dB
ALC
CONT MUT
BF
EE
18K
2K
8.8
(11.4)
C4014
2200P
(NV-J35B)
R4015
8200
R4014
13K
C4016
1000P
R4013
390K
C4019
16V10
C4015
16V10
C4013
680P
R4012
330
C4017
10V47
C4018
0.0082
R4010
68K : NV-J35EG
33K : NV-J35B
C4020
1000P
R4016 1M
C4021
10V100
C4026
0.1
R4044
(JUMPER : NVJ35EG)
(R4044 : NV-J35B)
R4017 3000
R4018
22K
C4033
1000P
(NV-J35B ONLY)
C4024
100P
R4024
100K
R4023
47K
C4023
220p
100P
C4025
R4025
100K
R4035
8200
R4032
6200
R4031
2700
3dB UP
1.5dB DOWN
TP4003
C4032
16V47
R4051
47K
IC4002
MN4066BS
R4021
10K
R4040
10K
R4048
47K
C4034
680P
R4022
47K
3
4
5
6
7
8
9
10
11

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (　　) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

- LINE IN SIGNAL LEVEL… 10dB 1kHz

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-17. CHANNEL SELECT SCHEMATIC DIAGRAM


P7401 (TO TIMER)
P7501-14 HEATER+ 1
P7501-13 HEATER− 2
P7501-12 REG. 5V 3
P7501-11 BACK UP 5V 4
P7501-10 N. SW. 5V 5
P7501-9 GND 6
P7501-8 REG. −29V 7
P7501-7 BUZZER 8
P7501-6 SY. S. CLOCK 9
P7501-5 SY. S. DATA 10
P7501-4 SOFT.Ⓗ 11
P7501-3 EDIT Ⓗ 12
P7501-2 PICT. CTL. 13
P7501-1 ATR. OFF Ⓛ 14
C7421 0.01
D7402 MA723
(NV-J35B)
L7403 VLP0085
(NV-J35EG)
L7405 100μ
C7407 16V100
C7410 0.01
R7401 10K: NV-J35EG 15K: NV-J35B
QR7401 MRN1402
10K
10K
5.0
0
(BUZZER DRIVE)
X7401 VSQ0565
D7401 MA723
R7402 180
C7401 6V220
C7402 0.047F
P7402 (TO TIMER)
P7502-15 FS CS/BAND U 1
P7502-14 FS DATA/BAND VL 2
P7502-13 FS CLOCK/DAC 3
P7502-12 AFC DEF (S) 4
P7502-11 SYNC.Ⓛ 5
P7502-10 A. DEF.(S) 6
P7502-9 GND 7
P7502-8 AFC (S) 8
P7502-7 A. TRK Ⓗ 9
P7502-6 A. DUB Ⓛ 10
P7502-5 INSERT. Ⓛ 11
P7502-4 ——— 12
P7502-3 TIMER LSN 13
P7502-2 TIMER TLK 14
P7502-1 TIMER CLK 15
(NV-J35B)
REG 45V 1
AFC DEF (S) 2
——— 3
N. SW. 12V 4
TV/VTR 5
AFC (S) 6
REG 12V 7
FS CS/BAND(U) 8
FS DATA/BAND(VL) 9
FS CLOCK/DAC 10
N. SW. 5V 11
——— 12
TU. GND 13
TU. V. IN. 14
REG 12V 15
SYNCⓁ 16
A. DEF.(S) 17
PB Ⓗ 18
TU. GND 19
TU. A. IN 20
——— 21
——— 22
TV DEMODULATOR PACK C.B.A. (VEP07596C:NV-J35EG) (VEP07592B:NV-J35B)
(NV-J35B)
L7401 1μ
L7402 100μ
C7431 0.01
(NV-J35EG)
(NV-J35B)
C7422 2700P
TO TUNER
——— 1
C. VIDEO 2
——— 3
NOR. A 4
REG 12V 5
——— 6
⚠ RF CONVERTER (ENC17976, VEQ1043:NV-J35EG) (ENC17972A:NV-J35B)
C7409 0.1
C7408 100P
(NV-J35B)
L7404 1μ
QR7499 MRN1404 (C/TⓁ: OFF)
47K
47K
(NV-J35B)
GND 10
TIMER LSN 9
TIMER TLK 8
TIMER CLK 7
——— 6
——— 5
BACKUP 5V 4
N SW 5V 3
VIDEO IN 2
GND 1
VPS PACK C. B. A. (VEP07538D:NV-J35EG)
TO POWER SUPPLY
GND
HEATER+
HEATER−
REG. 5V
REG. −29V
N. SW. 5.3V
REG 45V
N. SW. 12V
REG 12V
TO AUDIO
NOR. A
TO LUMINANCE & CHROMINANCE
C. VIDEO
TU.V. IN
PB Ⓗ
TU. GND
TU. A. IN
C/T Ⓛ
TO LUMINANCE & CHROMINANCE
SOFT. Ⓗ
EDIT Ⓗ
PICT. CTL.
VIDEO IN
A. DUB. Ⓛ
INSERT. Ⓛ
TO SYSTEM CTL & SERVO
ATR. OFF Ⓛ
M. REG. 12V
SY. S. CLOCK
SY. S. DATA
A. TRK. Ⓗ
VTR 12V
E
D
C
B
A
1
2
3
4
5
6
7
8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

IMPORTANT SAFETY NOTICE:
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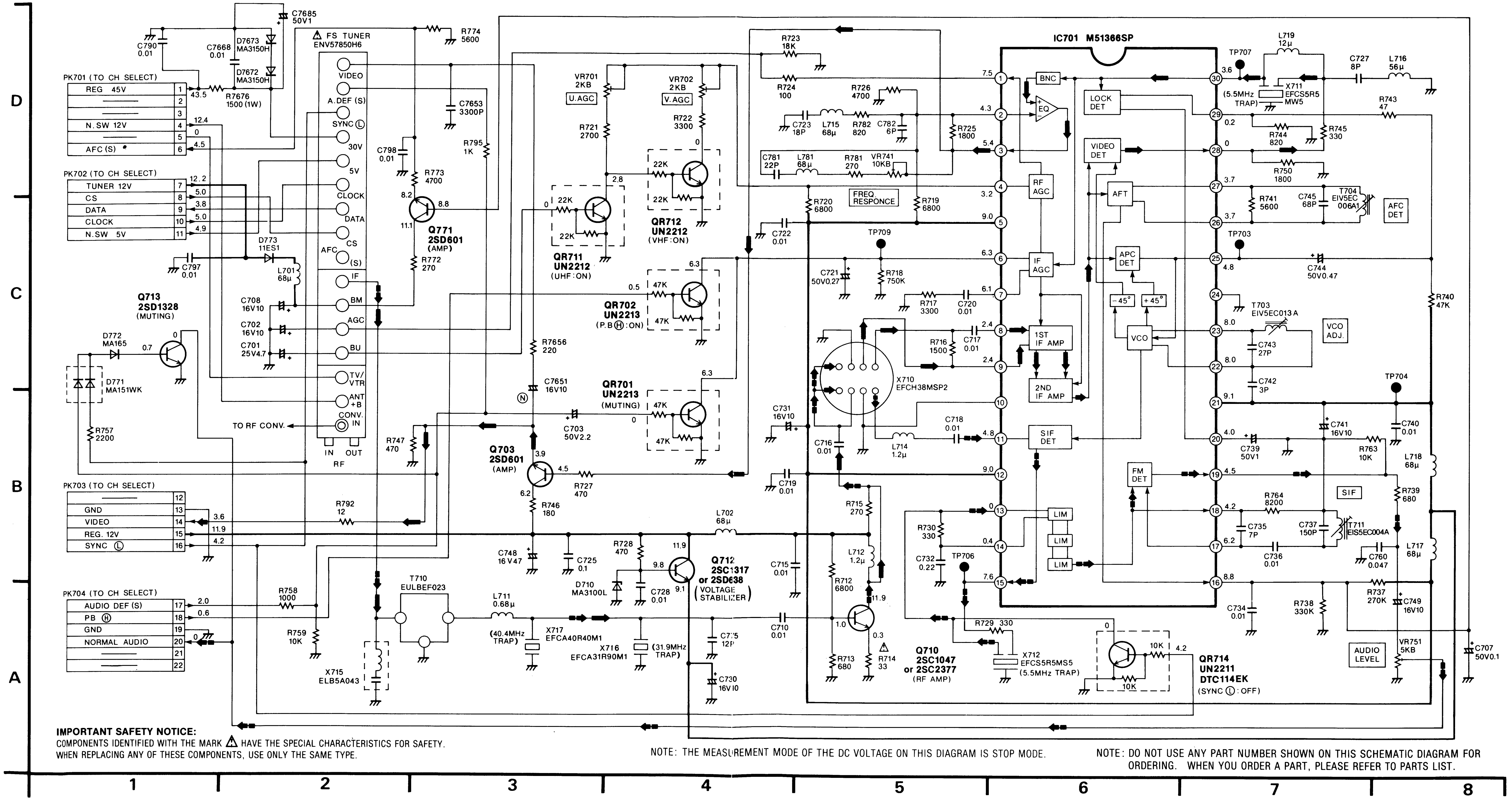
3-18. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J35EG)

VIDEO SIGNAL PATH

AUDIO SIGNAL PATH


D
C
B
A
1
2
3
4
5
6
7
8
PK701 (TO CH SELECT)
REG 45V
N.SW 12V
AFC (S)
PK702 (TO CH SELECT)
TUNER 12V
CS
DATA
CLOCK
N.SW 5V
PK703 (TO CH SELECT)
GND
VIDEO
REG. 12V
SYNC Ⓛ
PK704 (TO CH SELECT)
AUDIO DEF (S)
PB Ⓗ
GND
NORMAL AUDIO
C790 0.01
C7668 0.01
D7673 MA3150H
D7672 MA3150H
C7685 50V1
R7676 1500 (1W)
⚠ FS TUNER ENV57850H6
VIDEO
A.DEF (S)
SYNC Ⓛ
30V
5V
CLOCK
DATA
CS
AFC (S)
IF
BM
AGC
BU
TV/VTR
ANT +B
CONV.
IN
IN OUT RF
TO RF CONV.
R774 5600
C7653 3300P
R795 1K
C798 0.01
R773 4700
Q771 2SD601 (AMP)
R772 270
D773 11ES1
L701 68μ
C797 0.01
C708 16V10
C702 16V10
C701 25V4.7
Q713 2SD1328 (MUTING)
D772 MA165
D771 MA151WK
R757 2200
VR701 2KB U.AGC
R721 2700
VR702 2KB V.AGC
R722 3300
QR711 UN2212 (UHF:ON)
QR712 UN2212 (VHF:ON)
QR702 UN2213 (P.B Ⓗ:ON)
QR701 UN2213 (MUTING)
R7656 220
C7651 16V10
C703 50V2.2
Q703 2SD601 (AMP)
R727 470
R746 180
R747 470
R792 12
R758 1000
R759 10K
T710 EULBEF023
X715 ELB5A043
C748 16V47
C725 0.1
R728 470
D710 MA3100L
C728 0.01
Q712 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
L702 68μ
L711 0.68μ
(40.4MHz TRAP)
X717 EFCA40R40M1
X716 EFCA31R90M1
(31.9MHz TRAP)
C715 0.01
C775 12P
C730 16V10
C710 0.01
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
FREQ. RESPONCE
R720 6800
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C731 16V10
C716 0.01
C718 0.01
L714 1.2μ
C719 0.01
R715 270
L712 1.2μ
R712 6800
Q710 2SC1047 or 2SC2377 (RF AMP)
R713 680
R714 33
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
QR714 UN2211 DTC114EK (SYNC Ⓛ: OFF)
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
IF AGC
APC DET
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
LIM
FM DET
TP707
L719 12μ
X711 EFCS5R5 MW5
(5.5MHz TRAP)
C727 8P
L716 56μ
R743 47
R744 820
R745 330
R750 1800
R741 5600
C745 68P
T704 EIV5EC006A1
AFC DET
TP703
C744 50V0.47
R740 47K
T703 EIV5EC013A
VCO ADJ.
C743 27P
C742 3P
TP704
C741 16V10
C740 0.01
C739 50V1
R763 10K
L718 68μ
SIF
R739 680
R764 8200
C735 7P
C737 150P
T711 EIS5EC004A
C736 0.01
C760 0.047
L717 68μ
R737 270K
C749 16V10
C734 0.01
R738 330K
AUDIO LEVEL
VR751 5KB
C707 50V0.1

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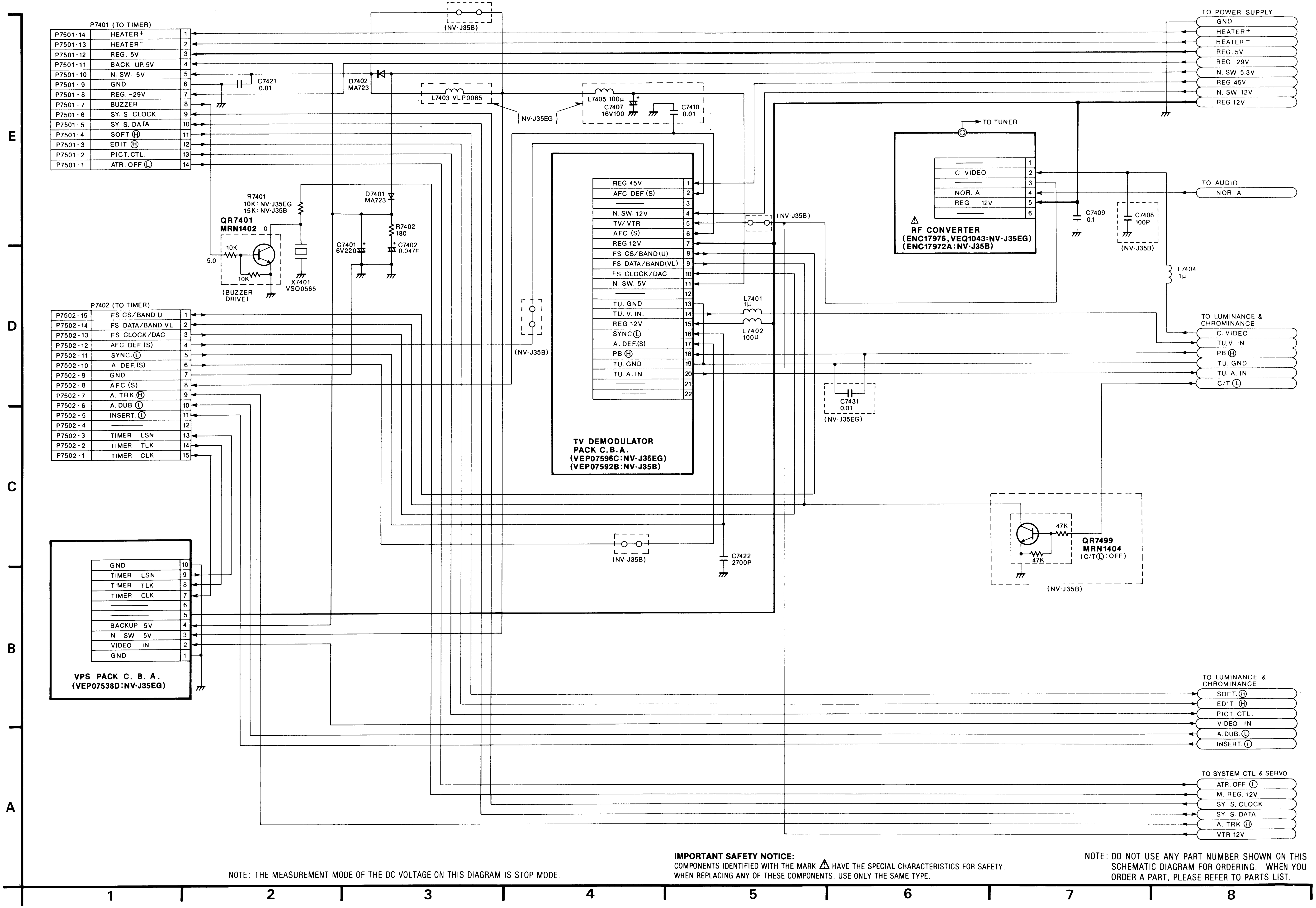
Back Page:
CHANNEL SELECT Section

3-17. CHANNEL SELECT SCHEMATIC DIAGRAM


P7401 (TO TIMER)
P7501-14 HEATER+ 1
P7501-13 HEATER− 2
P7501-12 REG. 5V 3
P7501-11 BACK UP 5V 4
P7501-10 N. SW. 5V 5
P7501-9 GND 6
P7501-8 REG. −29V 7
P7501-7 BUZZER 8
P7501-6 SY. S. CLOCK 9
P7501-5 SY. S. DATA 10
P7501-4 SOFT. Ⓗ 11
P7501-3 EDIT Ⓗ 12
P7501-2 PICT. CTL. 13
P7501-1 ATR. OFF Ⓛ 14
C7421 0.01
D7402 MA723
(NV-J35B)
L7403 VLP0085
(NV-J35EG)
L7405 100μ
C7407 16V100
C7410 0.01
R7401 10K: NV-J35EG 15K: NV-J35B
QR7401 MRN1402
10K
10K
5.0
0
(BUZZER DRIVE)
X7401 VSQ0565
D7401 MA723
R7402 180
C7401 6V220
C7402 0.047F
P7402 (TO TIMER)
P7502-15 FS CS/BAND U 1
P7502-14 FS DATA/BAND VL 2
P7502-13 FS CLOCK/DAC 3
P7502-12 AFC DEF (S) 4
P7502-11 SYNC. Ⓛ 5
P7502-10 A. DEF.(S) 6
P7502-9 GND 7
P7502-8 AFC (S) 8
P7502-7 A. TRK Ⓗ 9
P7502-6 A. DUB Ⓛ 10
P7502-5 INSERT. Ⓛ 11
P7502-4 ——— 12
P7502-3 TIMER LSN 13
P7502-2 TIMER TLK 14
P7502-1 TIMER CLK 15
(NV-J35B)
REG 45V 1
AFC DEF (S) 2
——— 3
N. SW. 12V 4
TV/VTR 5
AFC (S) 6
REG 12V 7
FS CS/BAND(U) 8
FS DATA/BAND(VL) 9
FS CLOCK/DAC 10
N. SW. 5V 11
——— 12
TU. GND 13
TU. V. IN. 14
REG 12V 15
SYNC Ⓛ 16
A. DEF.(S) 17
PB Ⓗ 18
TU. GND 19
TU. A. IN 20
——— 21
——— 22
TV DEMODULATOR PACK C.B.A. (VEP07596C:NV-J35EG) (VEP07592B:NV-J35B)
(NV-J35B)
L7401 1μ
L7402 100μ
C7431 0.01
(NV-J35EG)
C7422 2700P
(NV-J35B)
TO TUNER
——— 1
C. VIDEO 2
——— 3
NOR. A 4
REG 12V 5
——— 6
⚠ RF CONVERTER (ENC17976, VEQ1043:NV-J35EG) (ENC17972A:NV-J35B)
C7409 0.1
C7408 100P
(NV-J35B)
L7404 1μ
TO POWER SUPPLY
GND
HEATER+
HEATER−
REG. 5V
REG −29V
N. SW. 5.3V
REG 45V
N. SW. 12V
REG 12V
TO AUDIO
NOR. A
TO LUMINANCE & CHROMINANCE
C. VIDEO
TU. V. IN
PB Ⓗ
TU. GND
TU. A. IN
C/T Ⓛ
47K
47K
QR7499 MRN1404 (C/TⓁ: OFF)
(NV-J35B)
GND 10
TIMER LSN 9
TIMER TLK 8
TIMER CLK 7
——— 6
——— 5
BACKUP 5V 4
N SW 5V 3
VIDEO IN 2
GND 1
VPS PACK C. B. A. (VEP07538D:NV-J35EG)
TO LUMINANCE & CHROMINANCE
SOFT. Ⓗ
EDIT Ⓗ
PICT. CTL.
VIDEO IN
A. DUB. Ⓛ
INSERT. Ⓛ
TO SYSTEM CTL & SERVO
ATR. OFF Ⓛ
M. REG. 12V
SY. S. CLOCK
SY. S. DATA
A. TRK Ⓗ
VTR 12V
E
D
C
B
A
1
2
3
4
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6
7
8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

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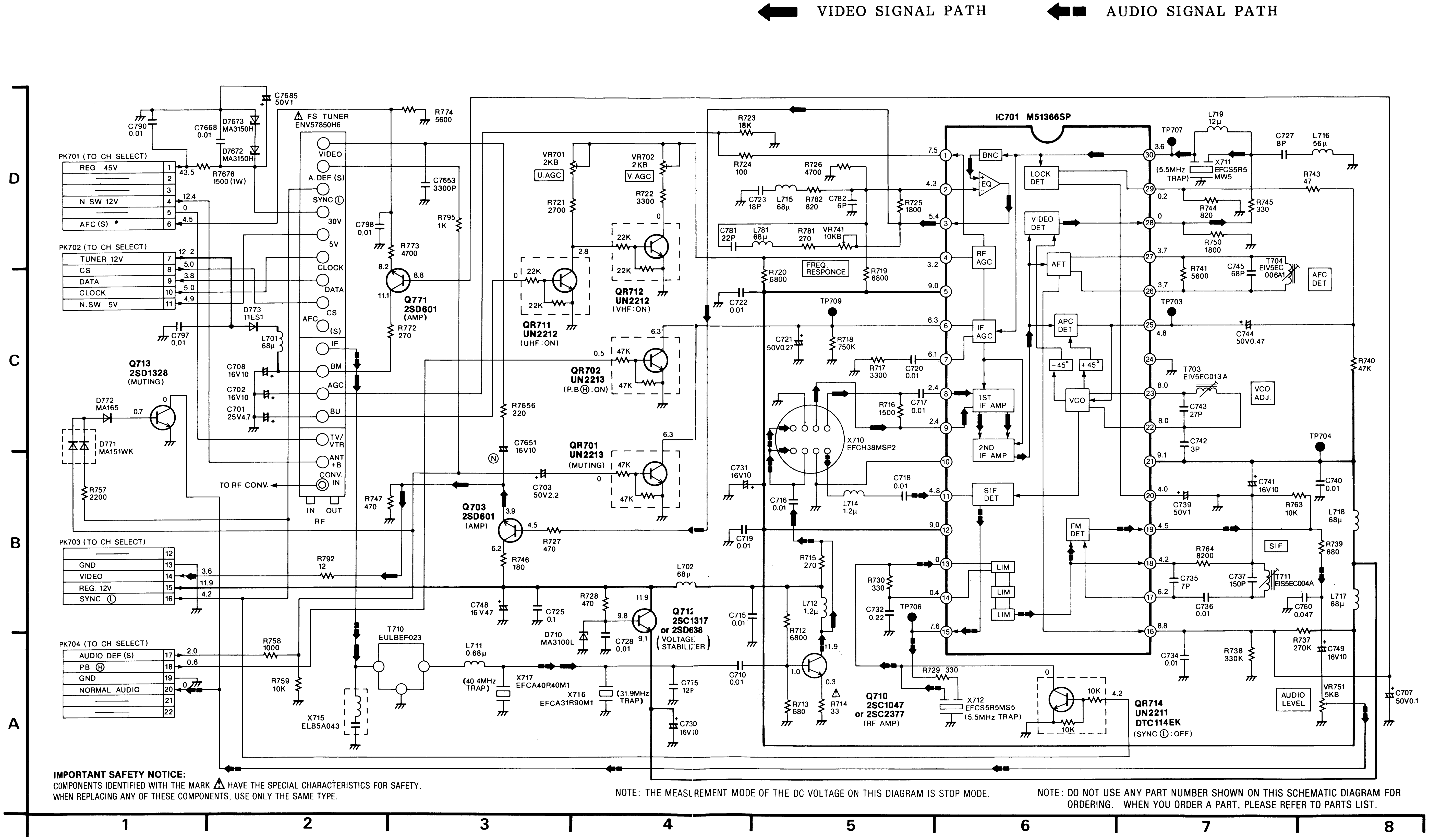
3-18. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J35EG)


VIDEO SIGNAL PATH
AUDIO SIGNAL PATH
D
C
B
A
1
2
3
4
5
6
7
8
PK701 (TO CH SELECT)
REG 45V
N.SW 12V
AFC(S)
PK702 (TO CH SELECT)
TUNER 12V
CS
DATA
CLOCK
N.SW 5V
PK703 (TO CH SELECT)
GND
VIDEO
REG. 12V
SYNC Ⓛ
PK704 (TO CH SELECT)
AUDIO DEF (S)
PB Ⓗ
GND
NORMAL AUDIO
C790 0.01
C7668 0.01
D7673 MA3150H
D7672 MA3150H
C7685 50V1
R7676 1500 (1W)
FS TUNER ENV57850H6
VIDEO
A.DEF (S)
SYNC Ⓛ
30V
5V
CLOCK
DATA
CS
AFC (S)
IF
BM
AGC
BU
TV/VTR
ANT +B
CONV. IN
IN OUT RF
TO RF CONV.
R774 5600
C7653 3300P
R795 1K
C798 0.01
R773 4700
Q771 2SD601 (AMP)
R772 270
D773 11ES1
L701 68μ
C797 0.01
C708 16V10
C702 16V10
C701 25V4.7
Q713 2SD1328 (MUTING)
D772 MA165
D771 MA151WK
R757 2200
VR701 2KB
U.AGC
VR702 2KB
V.AGC
R721 2700
R722 3300
QR711 UN2212 (UHF:ON)
QR712 UN2212 (VHF:ON)
QR702 UN2213 (P.B Ⓗ:ON)
QR701 UN2213 (MUTING)
R7656 220
C7651 16V10
C703 50V2.2
R747 470
Q703 2SD601 (AMP)
R727 470
R746 180
R792 12
R758 1000
R759 10K
T710 EULBEF023
X715 ELB5A043
L711 0.68μ
(40.4MHz TRAP)
X717 EFCA40R40M1
X716 EFCA31R90M1
(31.9MHz TRAP)
C748 16V47
C725 0.1
D710 MA3100L
R728 470
C728 0.01
Q711 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
L702 68μ
C715 0.01
C775 12P
C730 16V10
C710 0.01
C731 16V10
C719 0.01
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
R720 6800
FREQ RESPONCE
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C716 0.01
L714 1.2μ
C718 0.01
R715 270
L712 1.2μ
R712 6800
Q710 2SC1047 or 2SC2377 (RF AMP)
R713 680
R714 33
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
QR714 UN2211 DTC114EK (SYNC Ⓛ:OFF)
IC701 M51366SP
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
AFT
IF AGC
APC DET
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
TP707
L719 12μ
X711 EFCS5R5MW5
(5.5MHz TRAP)
C727 8P
L716 56μ
R743 47
R744 820
R745 330
R750 1800
R741 5600
C745 68P
T704 EIV5EC006A1
AFC DET
TP703
C744 50V0.47
R740 47K
T703 EIV5EC013A
VCO ADJ.
C743 27P
C742 3P
TP704
C741 16V10
C740 0.01
C739 50V1
R763 10K
L718 68μ
SIF
R739 680
R764 8200
C735 7P
C737 150P
T711 EIS5EC004A
C736 0.01
C760 0.047
L717 68μ
C734 0.01
R738 330K
R737 270K
C749 16V10
AUDIO LEVEL
VR751 5KB
C707 50V0.1

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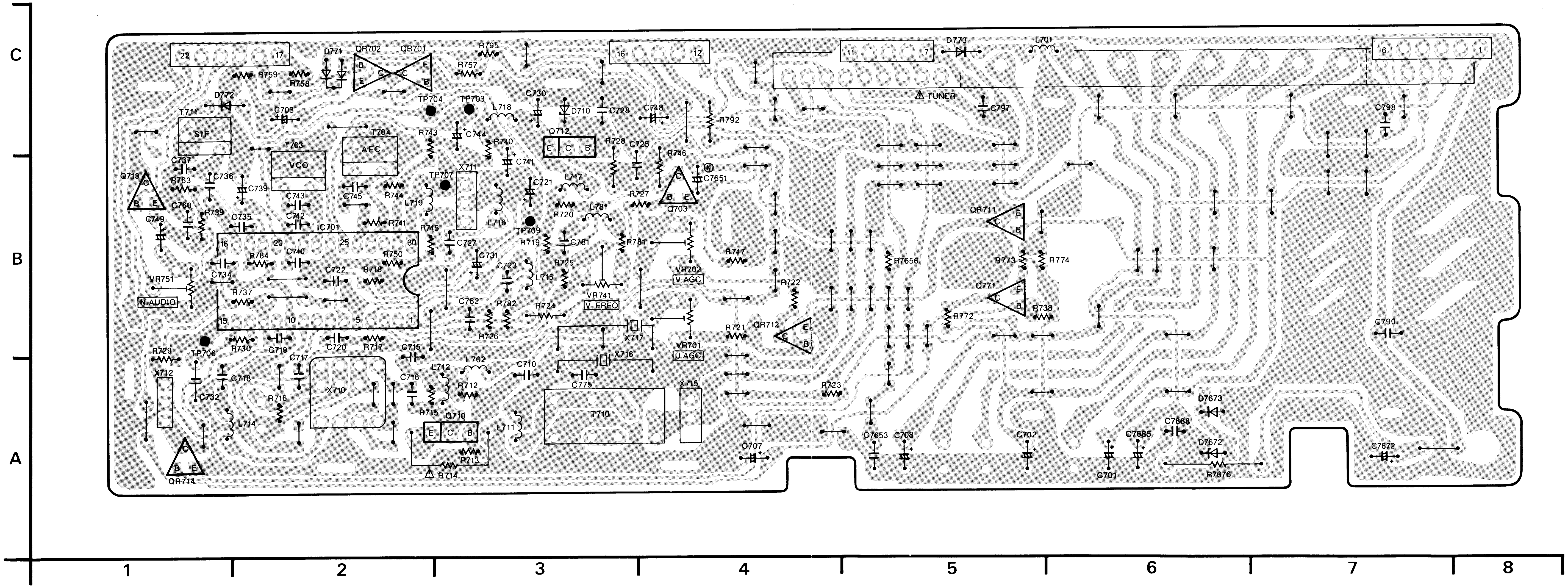
Back Page:
CHANNEL SELECT Section

3-19. TV DEMODULATOR PACK C.B.A. (VEP07596C: NV-J35EG)

TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q710	A-3	TP704	C-2
Q712	C-3	TP706	B-1
Q713	B-1	TP707	B-3
Q771	B-5	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	C-2
QR702	C-2	T704	C-2
QR711	B-5	T710	A-3
QR712	B-4	T711	C-1
QR714	A-1	VR701	B-4
Integrated Circuit		VR702	B-4
		VR741	B-3
IC701	B-2	VR751	B-1

ADDRESS INFORMATION

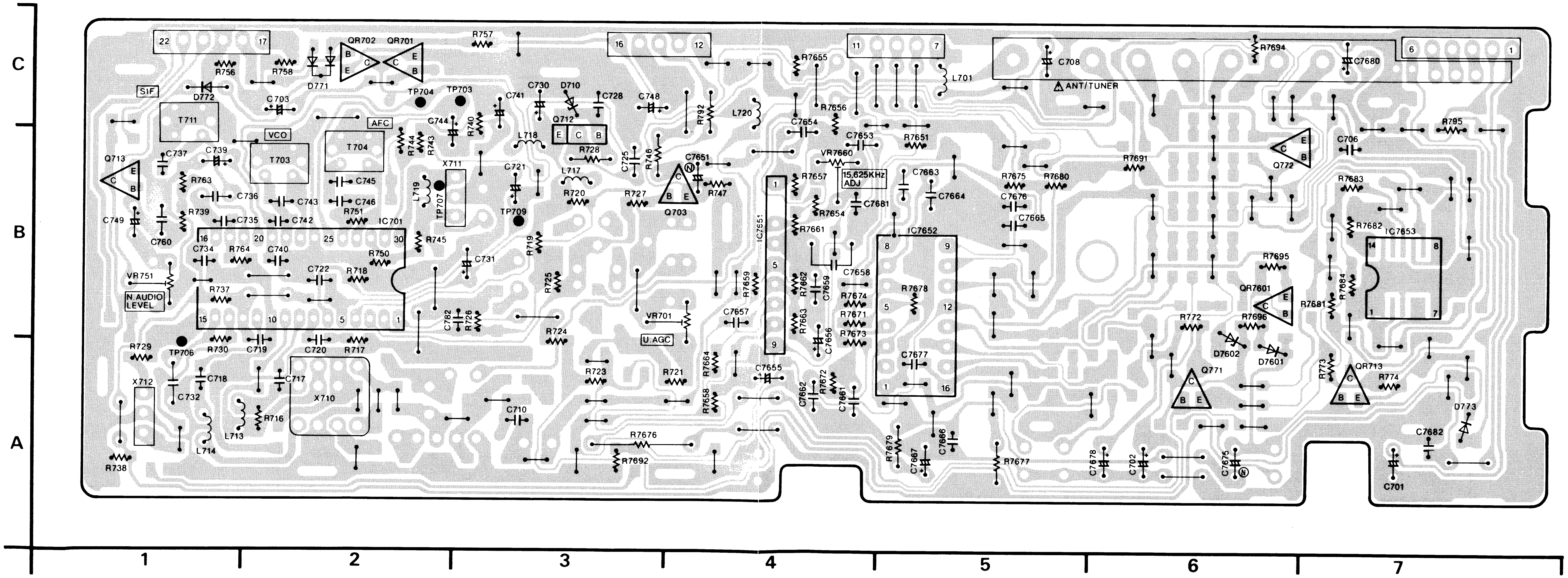


C
B
A
1
2
3
4
5
6
7
8
22
17
16
12
11
7
6
1
D771
QR702
QR701
R795
R757
R759
R758
D772
T711
SIF
C703
TP704
TP703
L718
C730
D710
C728
C748
R792
D773
L701
TUNER
C797
C798
T703
VCO
T704
AFC
R743
C744
R740
C741
Q712
R728
C725
R746
C7651
Q713
C737
R763
C736
C739
TP707
X711
C721
L717
Q703
C760
C743
C745
R744
L719
R720
L781
R727
C749
R739
C735
C742
IC701
R741
R745
L716
TP709
C727
R719
C781
R781
16
20
25
30
C740
R750
C731
R725
R747
R764
C734
C722
R718
C723
L715
VR702
V.AGC
R7656
R773
R774
QR711
VR751
N.AUDIO
R737
VR741
V.FREQ
R722
Q771
R738
C782
R782
R724
R726
R772
15
10
5
1
X717
R721
QR712
C790
R729
TP706
R730
C719
C720
R717
C715
VR701
U.AGC
X712
C717
L702
C710
X716
C718
C732
C716
L712
X710
R712
C775
X715
R723
R716
T710
D7673
L714
R715
Q710
C7668
L711
C7653
C708
C702
C7685
D7672
C7672
C707
C701
R7676
QR714
R713
R714

3-20. TV DEMODULATOR PACK C.B.A. (VEP07592B: NV-J35B)

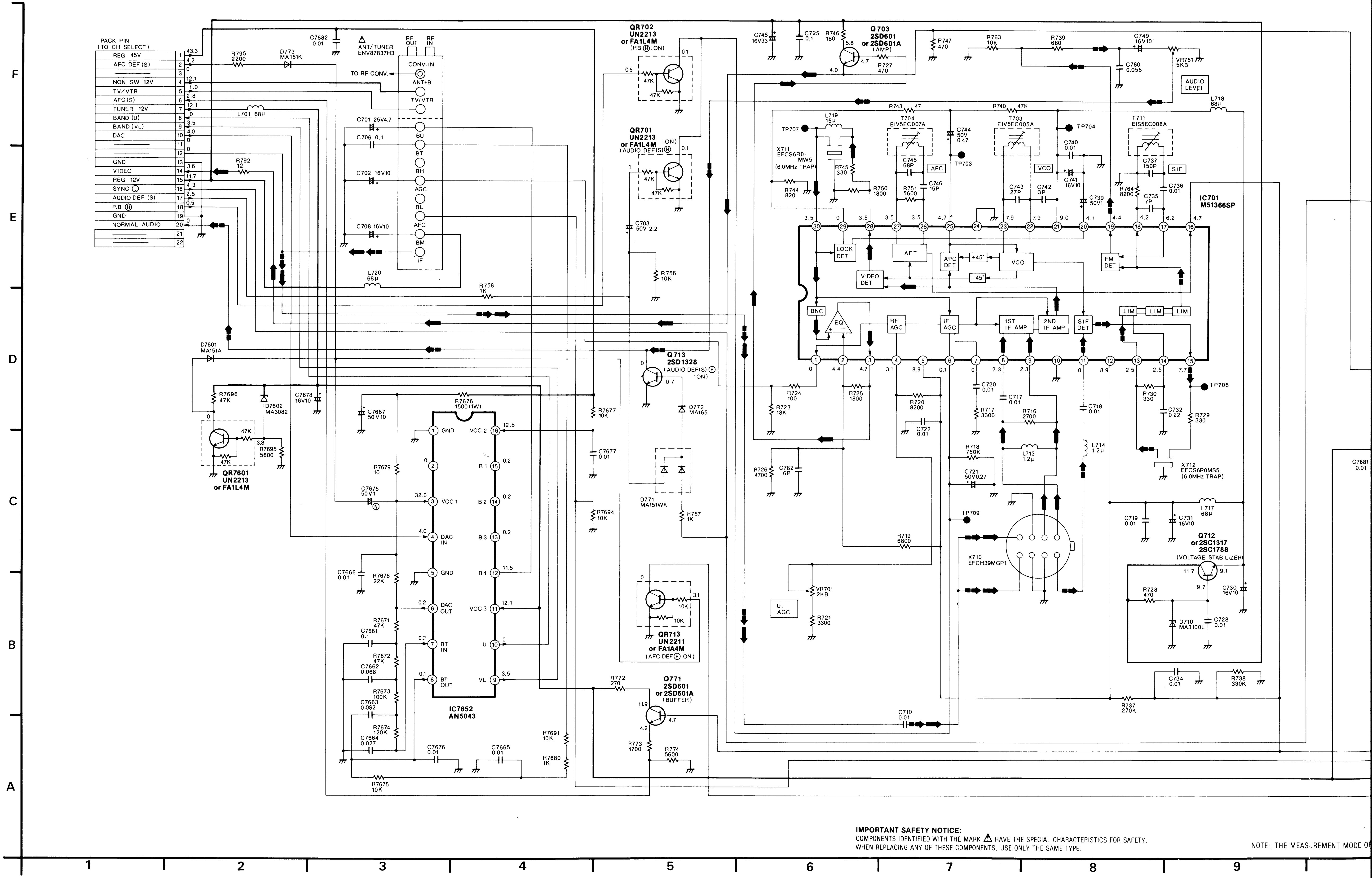
TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q712	B-3	TP704	C-2
Q713	B-1	TP706	A-1
Q771	B-6	TP707	B-2
Q772	A-6	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	B-2
QR702	C-2	T704	B-2
QR713	A-7	T711	C-1
QR7601	B-6	VR701	B-4
Integrated Circuit		VR751	B-1
IC701	B-2	VR7660	B-4
IC7651	B-4		
IC7652	B-5		
IC7653	A-7		

ADDRESS INFORMATION


C
B
A
1
2
3
4
5
6
7
SIF
T711
VCO
T703
AFC
T704
QR702
QR701
TP704
TP703
D771
D772
R756
R758
C703
R757
C741
C730
D710
C728
C748
Q712
L718
R728
L717
R720
X711
TP707
L719
TP709
C721
C744
R740
R744
R743
C745
C746
C743
C742
R751
IC701
R745
C731
Q713
C737
C739
R763
C736
C749
R739
C735
C760
C734
R764
C740
C722
R718
R750
VR751
N.AUDIO LEVEL
R737
R729
TP706
R730
C719
C720
R717
X712
C718
C717
C732
X710
R716
L713
L714
R738
C782
R726
R719
R725
R724
R723
C710
R727
Q703
C7651
R747
R746
C725
R732
L720
VR701
U.AGC
R721
R7664
R7658
R7676
R7692
C7657
R7659
IC7651
C7655
R7655
R7656
C7654
C7653
VR7660
15.625KHz ADJ
R7657
R7654
C7681
R7661
C7658
R7662
C7659
R7663
R7674
R7671
R7673
C7656
R7672
C7662
C7661
R7651
C7663
C7664
IC7652
R7678
C7677
R7679
C7667
C7666
L701
C708
ANT/TUNER
R7694
C7680
R7675
R7680
C7676
C7665
R7691
R7677
C7678
C702
C7675
Q772
C706
R795
R7683
R7682
IC7653
R7695
QR7601
R7696
R7681
R7684
R772
D7602
D7601
Q771
R773
QR713
R774
D773
C7682
C701

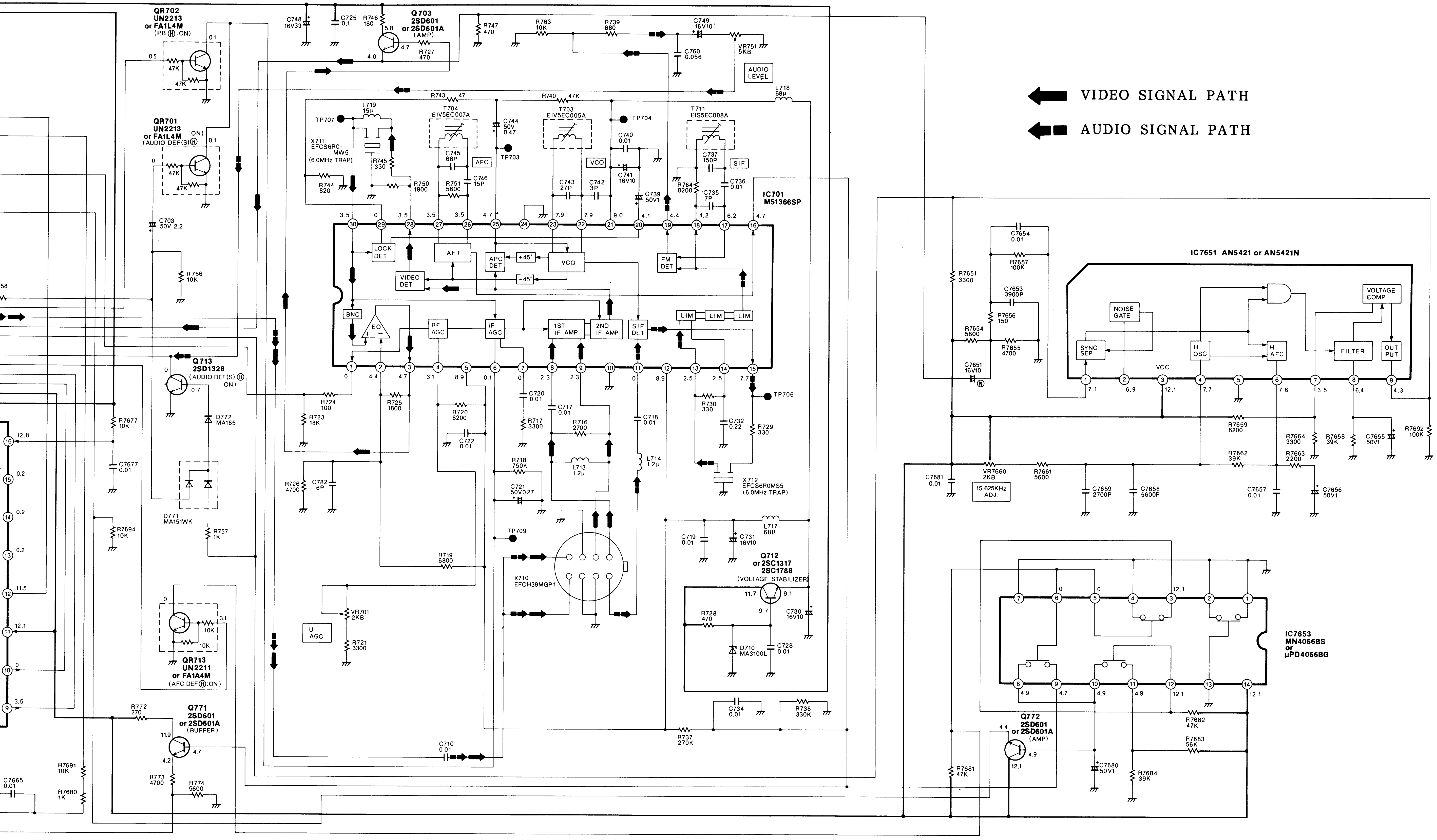
Back Page:
TV DEMODULATOR Section

3-21. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J35B)


PACK PIN (TO CH SELECT)
REG 45V
AFC DEF (S)
NON SW 12V
TV/VTR
AFC(S)
TUNER 12V
BAND (U)
BAND (VL)
DAC
GND
VIDEO
REG 12V
SYNC Ⓛ
AUDIO DEF (S)
P.B Ⓗ
GND
NORMAL AUDIO
R795 2200
D773 MA151K
C7682 0.01
ANT/TUNER ENV87837H3
RF OUT
RF IN
TO RF CONV.
CONV.IN
ANT+B
TV/VTR
L701 68μ
C701 25V4.7
C706 0.1
C702 16V10
C708 16V10
BU
BT
BH
AGC
BL
AFC
BM
IF
R792 12
L720 68μ
R758 1K
D7601 MA151A
R7696 47K
D7602 MA3082
C7678 16V10
QR7601 UN2213 or FA1L4M
R7695 5600
C7667 50V10
R7676 1500(1W)
R7679 10
C7675 50V1
C7666 0.01
R7678 22K
R7671 47K
C7661 0.1
R7672 47K
C7662 0.068
R7673 100K
C7663 0.062
R7674 120K
C7664 0.027
C7676 0.01
C7665 0.01
R7675 10K
IC7652 AN5043
GND
VCC 2
B 1
VCC 1
B 2
DAC IN
B 3
B 4
DAC OUT
VCC 3
BT IN
U
BT OUT
VL
R7677 10K
C7677 0.01
R7694 10K
R7691 10K
R7680 1K
QR702 UN2213 or FA1L4M (P.B Ⓗ ON)
QR701 UN2213 or FA1L4M (AUDIO DEF(S) Ⓗ ON)
C703 50V 2.2
R756 10K
Q713 2SD1328 (AUDIO DEF(S) Ⓗ ON)
D772 MA165
D771 MA151WK
R757 1K
QR713 UN2211 or FA1A4M (AFC DEF Ⓗ ON)
R772 270
Q771 2SD601 or 2SD601A (BUFFER)
R773 4700
R774 5600
C748 16V33
C725 0.1
R746 180
Q703 2SD601 or 2SD601A (AMP)
R727 470
R747 470
R763 10K
R739 680
C749 16V10
VR751 5KB
C760 0.056
AUDIO LEVEL
L718 68μ
R743 47
R740 47K
TP707
L719 15μ
X711 EFCS6R0-MW5 (6.0MHz TRAP)
R744 820
R745 330
T704 EIV5EC007A
C745 68P
AFC
R750 1800
R751 5600
C746 15P
C744 50V 0.47
TP703
T703 EIV5EC005A
TP704
C740 0.01
VCO
C741 16V10
C743 27P
C742 3P
C739 50V1
T711 EIS5EC008A
C737 150P
SIF
R764 8200
C735 7P
C736 0.01
IC701 M51366SP
LOCK DET
AFT
VIDEO DET
APC DET
+45°
-45°
FM DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
TP706
R724 100
R723 18K
R725 1800
R720 8200
C722 0.01
C720 0.01
R717 3300
C717 0.01
R716 2700
C718 0.01
R730 330
C732 0.22
R729 330
R726 4700
C782 6P
R718 750K
L713 1.2μ
L714 1.2μ
X712 EFCS6R0MS5 (6.0MHz TRAP)
C721 50V0.27
TP709
X710 EFCH39MGP1
R719 6800
VR701 2KB
U AGC
R721 3300
C719 0.01
C731 16V10
L717 68μ
Q712 or 2SC1317 2SC1788 (VOLTAGE STABILIZER)
R728 470
D710 MA3100L
C728 0.01
C730 16V10
C734 0.01
R738 330K
R737 270K
C710 0.01
C7681 0.01
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF


VIDEO SIGNAL PATH
AUDIO SIGNAL PATH
QR702 UN2213 or FA1L4M (PB Ⓗ:ON)
QR701 UN2213 or FA1L4M (AUDIO DEF(S)Ⓗ:ON)
Q703 2SD601 or 2SD601A (AMP)
Q713 2SD1328 (AUDIO DEF(S) Ⓗ:ON)
QR713 UN2211 or FA1A4M (AFC DEF Ⓗ:ON)
Q771 2SD601 or 2SD601A (BUFFER)
Q712 or 2SC1317 2SC1788 (VOLTAGE STABILIZER)
Q772 2SD601 or 2SD601A (AMP)
IC701 M51366SP
IC7651 AN5421 or AN5421N
IC7653 MN4066BS or μPD4066BG
T704 EIV5EC007A
T703 EIV5EC005A
T711 EIS5EC008A
X711 EFCS6R0-MW5 (6.0MHz TRAP)
X712 EFCS6R0MS5 (6.0MHz TRAP)
X710 EFCH39MGP1
D772 MA165
D771 MA151WK
D710 MA3100L
L719 15μ
L718 68μ
L717 68μ
L714 1.2μ
L713 1.2μ
VR751 5KB
VR701 2KB
VR7660 2KB
AUDIO LEVEL
15.625KHz ADJ.
U. AGC
TP707
TP703
TP704
TP706
TP709
LOCK DET
AFT
VIDEO DET
APC DET
+45°
-45°
VCO
FM DET
AFC
SIF
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
NOISE GATE
SYNC SEP
H. OSC
H. AFC
VOLTAGE COMP
FILTER
OUT-PUT
VCC
C748 16V33
C725 0.1
R746 180
R727 470
R747 470
R763 10K
R739 680
C749 16V10
C760 0.056
R743 47
R740 47K
C744 50V 0.47
C745 68P
C746 15P
R745 330
R744 820
R750 1800
R751 5600
C740 0.01
C741 16V10
C743 27P
C742 3P
C739 50V1
C737 150P
C736 0.01
C735 7P
R764 8200
C703 50V 2.2
R756 10K
R724 100
R723 18K
R725 1800
R720 8200
C722 0.01
C720 0.01
R717 3300
C717 0.01
R716 2700
R718 750K
C721 50V0.27
C718 0.01
R730 330
C732 0.22
R729 330
R726 4700
C782 6P
R7677 10K
C7677 0.01
R7694 10K
R757 1K
R719 6800
R721 3300
C719 0.01
C731 16V10
R728 470
C730 16V10
C728 0.01
C734 0.01
R738 330K
R737 270K
C710 0.01
R772 270
R773 4700
R774 5600
R7691 10K
R7680 1K
C7665 0.01
C7654 0.01
R7657 100K
C7653 3900P
R7656 150
R7651 3300
R7654 5600
R7655 4700
C7651 16V10
R7659 8200
R7664 3300
R7658 39K
C7655 50V1
R7692 100K
R7662 39K
R7663 2200
C7681 0.01
R7661 5600
C7659 2700P
C7658 5600P
C7657 0.01
C7656 50V1
R7682 47K
R7683 56K
R7681 47K
C7680 50V1
R7684 39K
4
5
6
7
8
9
10
11
12
13

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

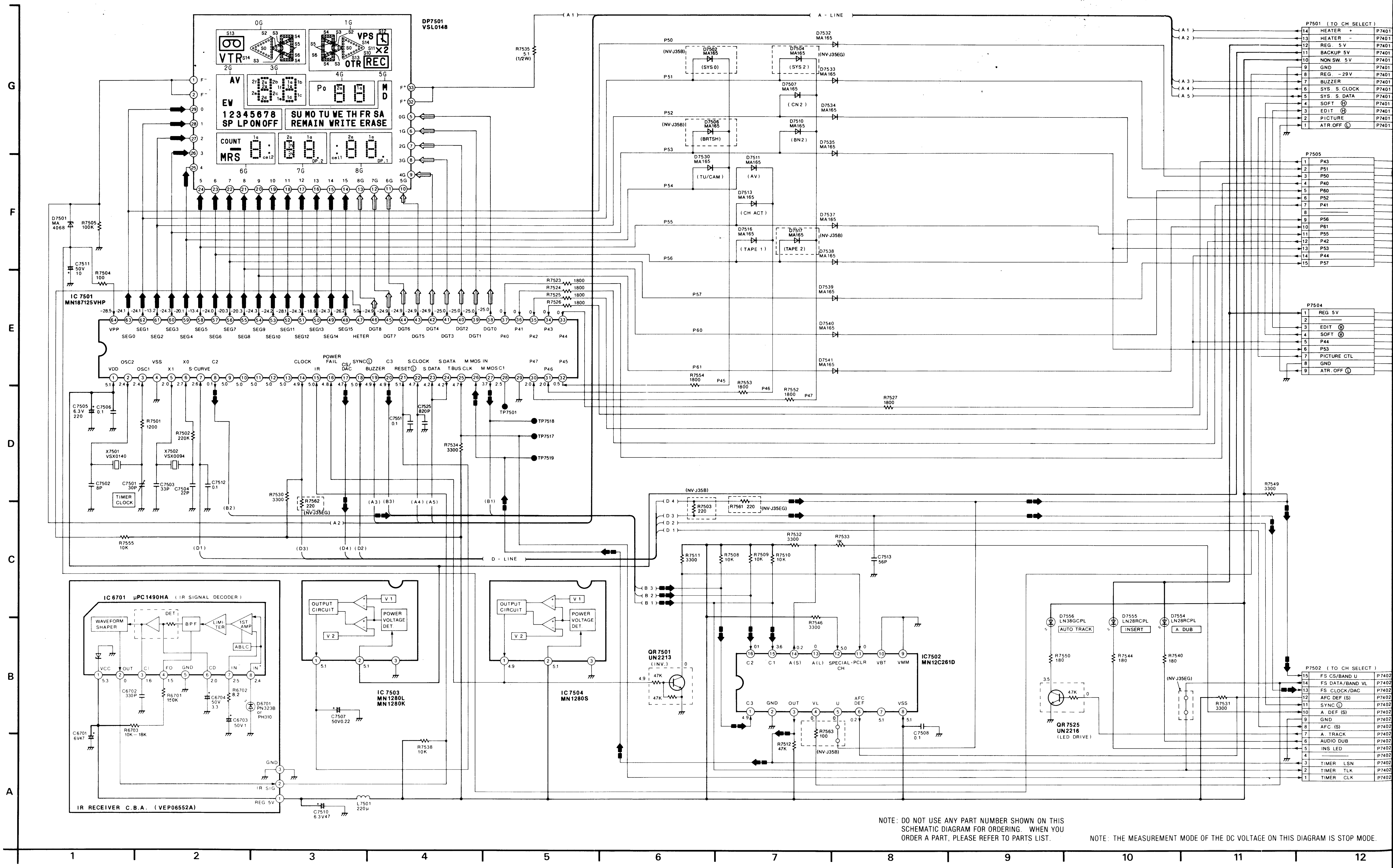
Next Page:
TIMER & OPERATION Section

3-22. TIMER & OPERATION SCHEMATIC DIAGRAM

SEGMENT CONTROL SIGNAL

GRID CONTROL SIGNAL

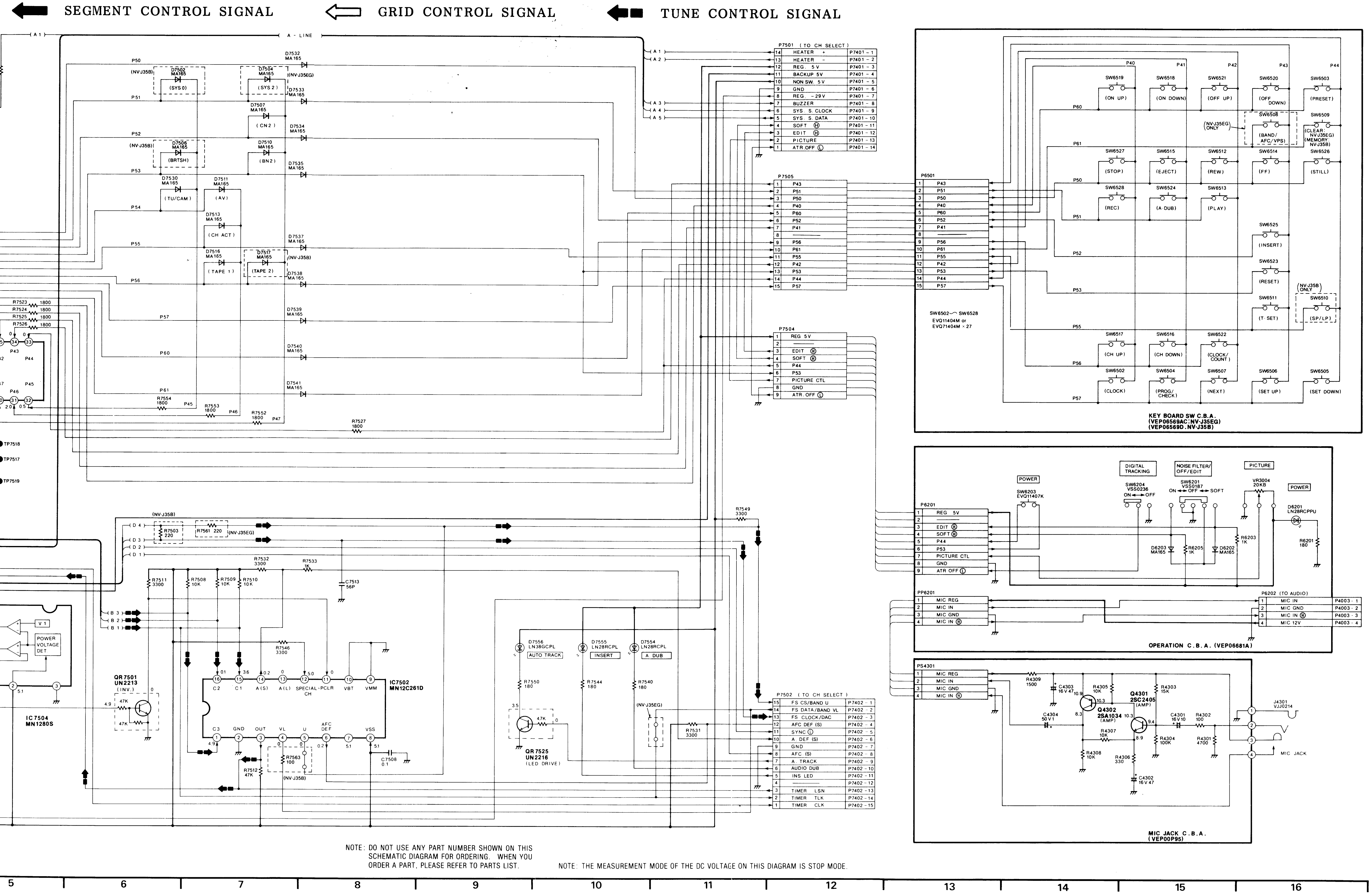
TUNE CONTROL SIGNAL



DP7501
VSL0148
IC 7501
MN187125VHP
IC6701 μPC1490HA (IR SIGNAL DECODER)
WAVEFORM SHAPER
DET
BPF
LIMITER
1ST AMP
ABLC
IR RECEIVER C.B.A. (VEP06552A)
GND
IR SIG
REG 5V
IC 7503
MN1280L
MN1280K
IC 7504
MN1280S
OUTPUT CIRCUIT
POWER VOLTAGE DET
V 1
V 2
IC7502
MN12C261D
QR7501
UN2213
(INV.)
QR7525
UN2216
(LED DRIVE)
D7556
LN38GCPL
AUTO TRACK
D7555
LN28RCPL
INSERT
D7554
LN28RCPL
A. DUB
X7501
VSX0140
X7502
VSX0094
TIMER CLOCK
A - LINE
D - LINE
P7501 (TO CH SELECT)
1 ATR.OFF
2 PICTURE
3 EDIT
4 SOFT
5 SYS. S. DATA
6 SYS. S. CLOCK
7 BUZZER
8 REG. -29V
9 GND
10 NON SW. 5V
11 BACKUP 5V
12 REG. 5V
13 HEATER -
14 HEATER +
P7505
1 P43
2 P51
3 P50
4 P40
5 P60
6 P52
7 P41
9 P56
10 P61
11 P55
12 P42
13 P53
14 P44
15 P57
P7504
1 REG 5V
3 EDIT
4 SOFT
5 P44
6 P53
7 PICTURE CTL
8 GND
9 ATR. OFF
P7502 (TO CH SELECT)
1 TIMER CLK
2 TIMER TLK
3 TIMER LSN
5 INS LED
6 AUDIO DUB
7 A. TRACK
8 AFC (S)
9 GND
10 A. DEF (S)
11 SYNC
12 AFC DEF (S)
13 FS CLOCK/DAC
14 FS DATA/BAND VL
15 FS CS/BAND U
D7502 MA165 (SYS0)
D7504 MA165 (SYS2)
D7506 MA165 (BRTSH)
D7507 MA165 (CN2)
D7510 MA165 (BN2)
D7530 MA165 (TU/CAM)
D7511 MA165 (AV)
D7513 MA165 (CH ACT)
D7516 MA165 (TAPE 1)
D7517 MA165 (TAPE 2)
(NV-J35B)
(NV-J35EG)
TP7501
TP7517
TP7518
TP7519
L7501 220μ
C7510 6.3V47

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

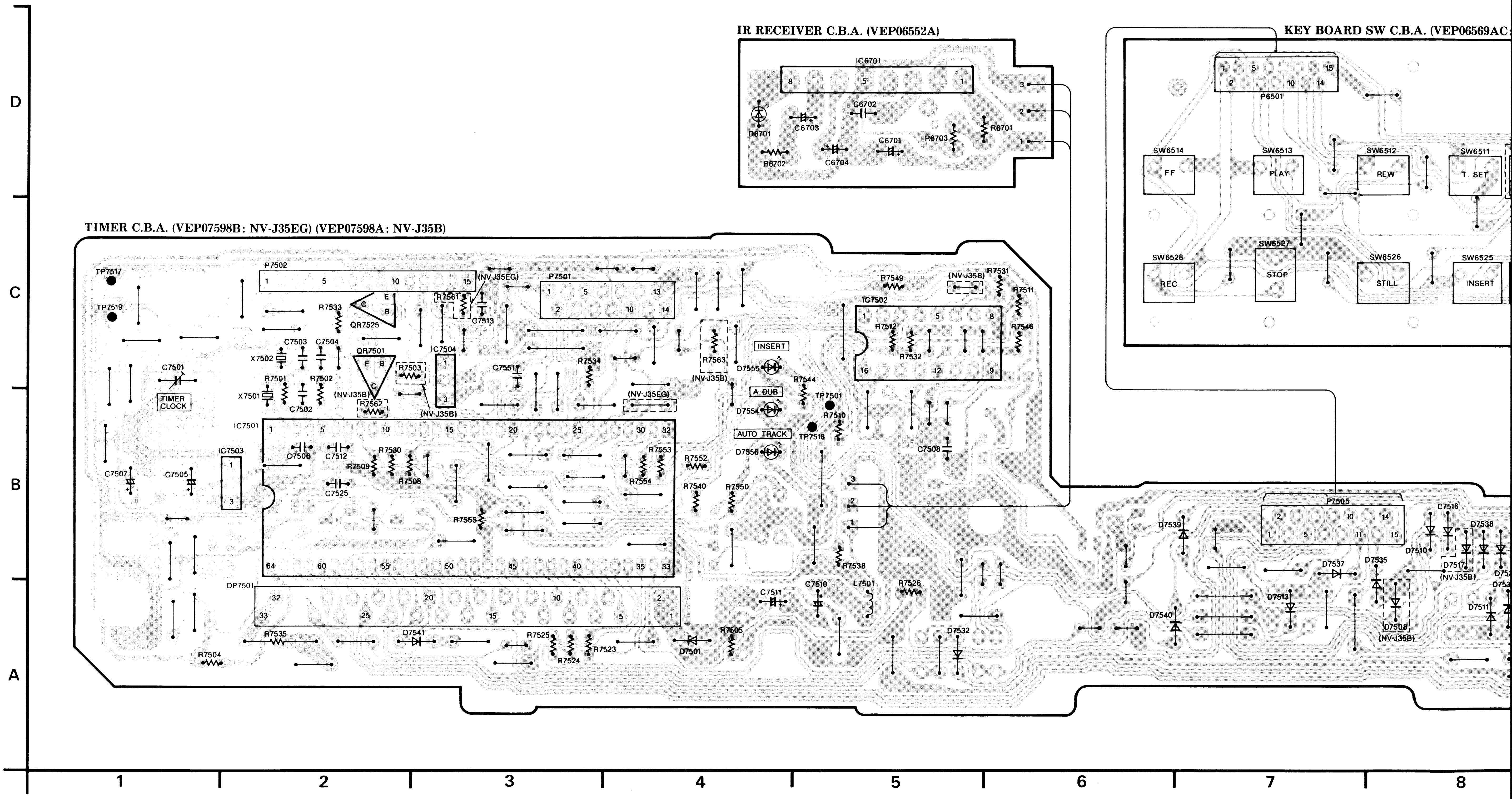
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.


SEGMENT CONTROL SIGNAL
GRID CONTROL SIGNAL
TUNE CONTROL SIGNAL
A - LINE
P7501 (TO CH SELECT)
HEATER +
HEATER −
REG. 5V
BACKUP 5V
NON SW. 5V
GND
REG. −29V
BUZZER
SYS. S. CLOCK
SYS. S. DATA
SOFT Ⓗ
EDIT Ⓗ
PICTURE
ATR OFF Ⓛ
P7505
P7504
P6501
P7502 (TO CH SELECT)
FS CS/BAND U
FS DATA/BAND VL
FS CLOCK/DAC
AFC DEF (S)
SYNC Ⓛ
A. DEF (S)
AFC (S)
A. TRACK
AUDIO DUB
INS LED
TIMER LSN
TIMER TLK
TIMER CLK
IC7502 MN12C261D
IC7504 MN1280S
QR7501 UN2213 (INV.)
QR7525 UN2216 (LED DRIVE)
D7556 LN38GCPL AUTO TRACK
D7555 LN28RCPL INSERT
D7554 LN28RCPL A DUB
POWER VOLTAGE DET
SW6502∼SW6528 EVQ11404M or EVQ71404M × 27
KEY BOARD SW C.B.A. (VEP06569AC:NV-J35EG) (VEP06569D:NV-J35B)
P6201
PP6201
P6202 (TO AUDIO)
MIC REG
MIC IN
MIC GND
MIC IN Ⓡ
MIC 12V
POWER
SW6203 EVQ11407K
DIGITAL TRACKING
SW6204 VSS0236
NOISE FILTER/ OFF/EDIT
SW6201 VSS0187
PICTURE
VR3004 20KB
D6201 LN28RCPPU
OPERATION C.B.A. (VEP06681A)
PS4301
Q4301 2SC2405 (AMP)
Q4302 2SA1034 (AMP)
J4301 VJJ0214
MIC JACK
MIC JACK C.B.A. (VEP00P95)
5
6
7
8
9
10
11
12
13
14
15
16

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-23. TIMER C.B.A. (VEP07598B: NV-J35EG) (VEP07598A: NV-J35B) & OPERATION C.B.A. (VEP06681A)



IR RECEIVER C.B.A. (VEP06552A)

KEY BOARD SW C.B.A. (VEP06569AC

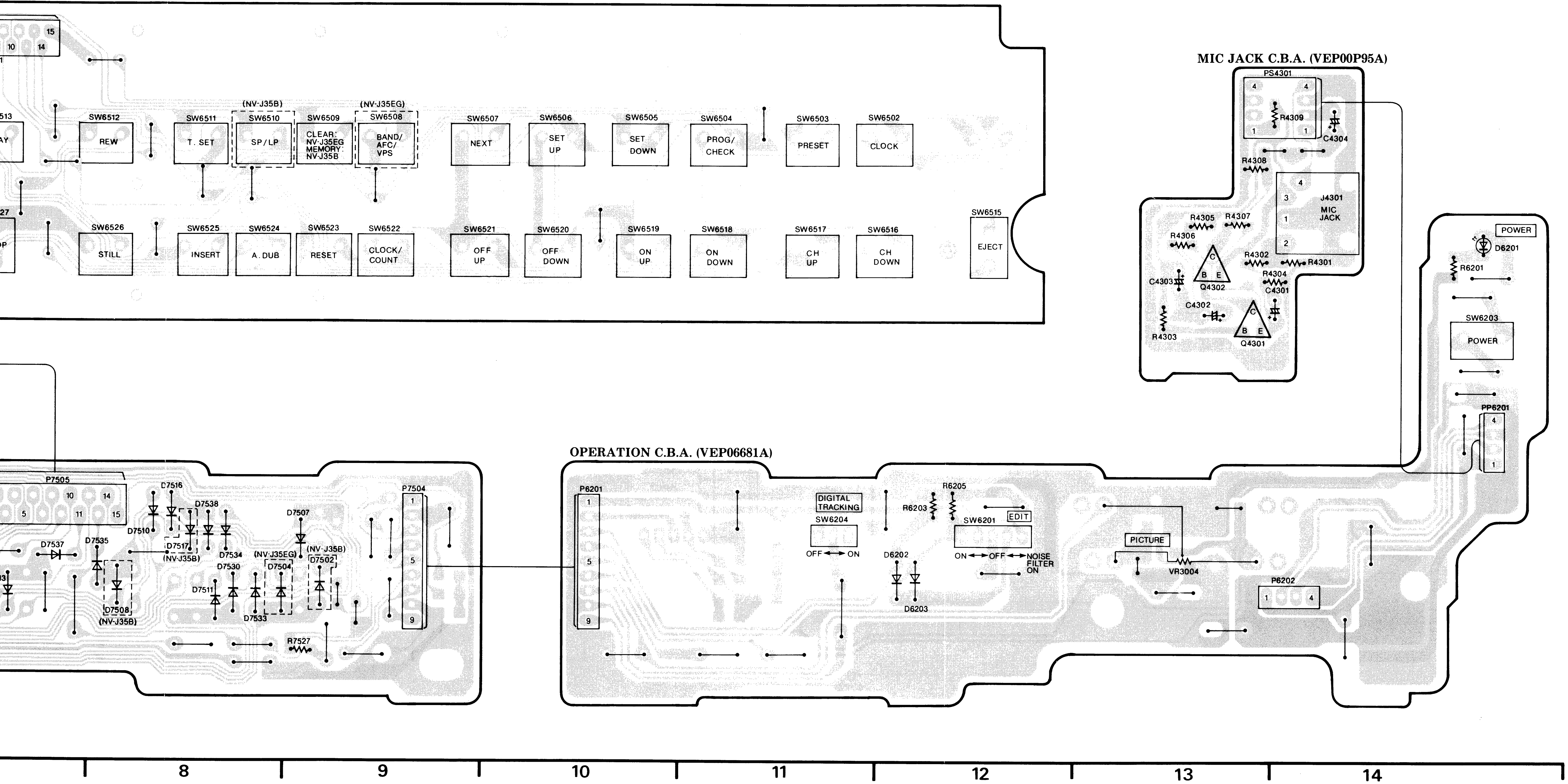
TIMER C.B.A. (VEP07598B: NV-J35EG) (VEP07598A: NV-J35B)

D
C
B
A
1
2
3
4
5
6
7
8
IC6701
D6701
C6703
C6702
R6702
C6704
C6701
R6703
R6701
P6501
SW6514
FF
SW6513
PLAY
SW6512
REW
SW6511
T. SET
SW6528
REC
SW6527
STOP
SW6526
STILL
SW6525
INSERT
TP7517
TP7519
P7502
R7533
QR7525
R7561
(NV-J35EG)
C7513
P7501
X7502
C7503
C7504
QR7501
R7503
IC7504
C7551
R7534
C7501
TIMER CLOCK
X7501
R7501
R7502
C7502
(NV-J35B)
R7562
(NV-J35B)
(NV-J35EG)
R7563
(NV-J35B)
INSERT
D7555
A. DUB
D7554
AUTO TRACK
D7556
R7544
TP7501
R7510
TP7518
R7549
(NV-J35B)
R7531
R7511
IC7502
R7512
R7532
R7546
C7508
IC7501
IC7503
C7506
C7512
R7530
R7509
R7508
C7525
R7555
R7553
R7554
R7552
R7540
R7550
C7507
C7505
R7538
DP7501
C7511
C7510
L7501
R7526
D7532
R7535
D7541
R7525
R7524
R7523
D7501
R7505
R7504
P7505
D7539
D7540
D7537
D7513
D7535
D7516
D7538
D7510
D7517
(NV-J35B)
D7508
(NV-J35B)
D7511

TIMER C.B.A. & OPERATION C.B.A.					
Transistor		**Test Point**		**Connector**	
Q4301	C-13	TP7501	B-5	P6201	B-10
Q4302	C-13	TP7517	C-1	P6202	A-14
Transistor & Resistor		TP7518	B-5	P6501	D-7
QR7501	C-2	TP7519	C-1	P7501	C-3
QR7525	C-2	**Adjustment**		P7502	C-2
Integrated Circuit		C7501	C-1	P7504	B-9
IC6701	D-5	VR3004	A-13	P7505	B-7
IC7501	B-2			PS4301	D-14
IC7502	C-5			PP6201	B-14
IC7503	B-2				
IC7504	C-3				

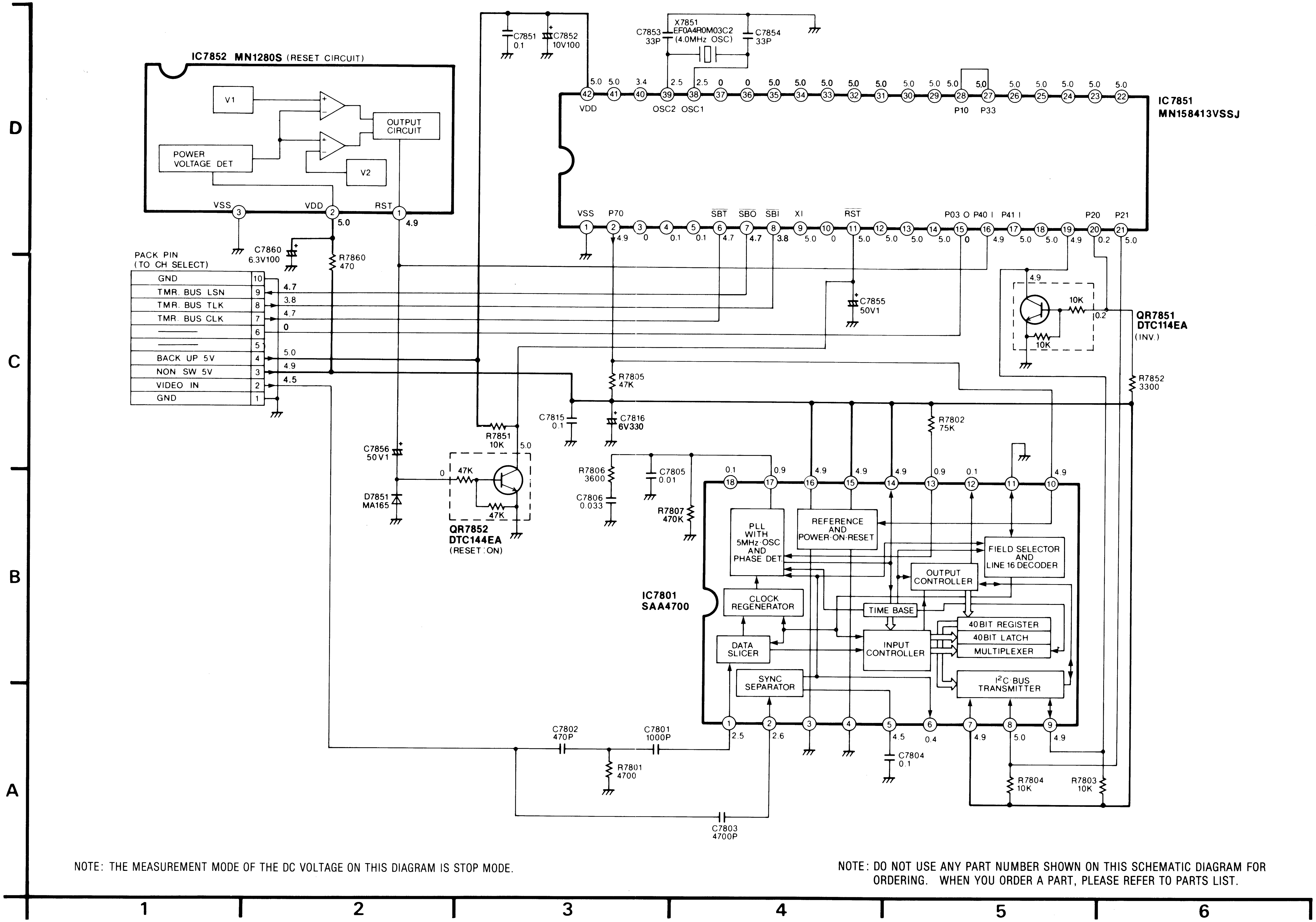
ADDRESS INFORMATION

KEY BOARD SW C.B.A. (VEP06569AC: NV-J35EG) (VEP06569D: NV-J35B)


15
10
14
SW6512
REW
SW6511
T. SET
(NV-J35B)
SW6510
SP/LP
SW6509
CLEAR: NV-J35EG MEMORY: NV-J35B
(NV-J35EG)
SW6508
BAND/ AFC/ VPS
SW6507
NEXT
SW6506
SET UP
SW6505
SET DOWN
SW6504
PROG/ CHECK
SW6503
PRESET
SW6502
CLOCK
SW6526
STILL
SW6525
INSERT
SW6524
A. DUB
SW6523
RESET
SW6522
CLOCK/ COUNT
SW6521
OFF UP
SW6520
OFF DOWN
SW6519
ON UP
SW6518
ON DOWN
SW6517
CH UP
SW6516
CH DOWN
SW6515
EJECT
MIC JACK C.B.A. (VEP00P95A)
PS4301
R4309
C4304
R4308
J4301
MIC JACK
R4305
R4307
R4306
R4302
R4301
R4304
C4301
C4303
Q4302
C4302
R4303
Q4301
POWER
D6201
R6201
SW6203
POWER
PP6201
OPERATION C.B.A. (VEP06681A)
P7505
D7516
D7538
D7507
D7510
D7537
D7535
D7517
(NV-J35B)
D7534
(NV-J35EG)
D7504
(NV-J35B)
D7502
D7530
D7511
D7533
D7508
(NV-J35B)
R7527
P7504
P6201
DIGITAL TRACKING
SW6204
OFF ↔ ON
R6205
R6203
SW6201
EDIT
ON ↔ OFF ↔ NOISE FILTER ON
D6202
D6203
PICTURE
VR3004
P6202
8
9
10
11
12
13
14

3-24. VPS PACK SCHEMATIC DIAGRAM (NV-J35EG)

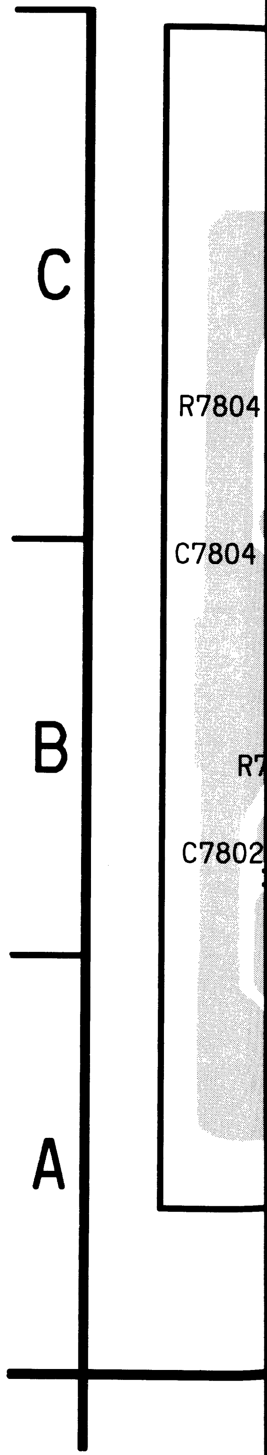
3-25. VPS PA



D
C
B
A
1
2
3
4
5
6
IC7852 MN1280S (RESET CIRCUIT)
V1
V2
POWER VOLTAGE DET
OUTPUT CIRCUIT
VSS 3
VDD 2
RST 1
5.0
4.9
C7860 6.3V100
R7860 470
PACK PIN (TO CH SELECT)
GND 10
TMR. BUS LSN 9
TMR. BUS TLK 8
TMR. BUS CLK 7
6
5
BACK UP 5V 4
NON SW 5V 3
VIDEO IN 2
GND 1
4.7
3.8
4.7
0
5.0
4.9
4.5
C7851 0.1
C7852 10V100
X7851 EF0A4R0M03C2 (4.0MHz OSC)
C7853 33P
C7854 33P
IC7851 MN158413VSSJ
VDD
OSC2 OSC1
P10 P33
VSS P70
SBT SBO SBI XI RST
P03 O P40 I P41 I
P20 P21
C7855 50V1
QR7851 DTC114EA (INV.)
10K
10K
0.2
R7852 3300
R7805 47K
C7815 0.1
C7816 6V330
R7802 75K
C7856 50V1
D7851 MA165
R7851 10K
47K
47K
QR7852 DTC144EA (RESET : ON)
R7806 3600
C7806 0.033
C7805 0.01
R7807 470K
IC7801 SAA4700
PLL WITH 5MHz OSC AND PHASE DET.
REFERENCE AND POWER-ON-RESET
FIELD SELECTOR AND LINE 16 DECODER
OUTPUT CONTROLLER
CLOCK REGENERATOR
TIME BASE
DATA SLICER
INPUT CONTROLLER
40BIT REGISTER
40BIT LATCH
MULTIPLEXER
SYNC SEPARATOR
I²C-BUS TRANSMITTER
C7802 470P
C7801 1000P
R7801 4700
C7803 4700P
C7804 0.1
R7804 10K
R7803 10K

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.



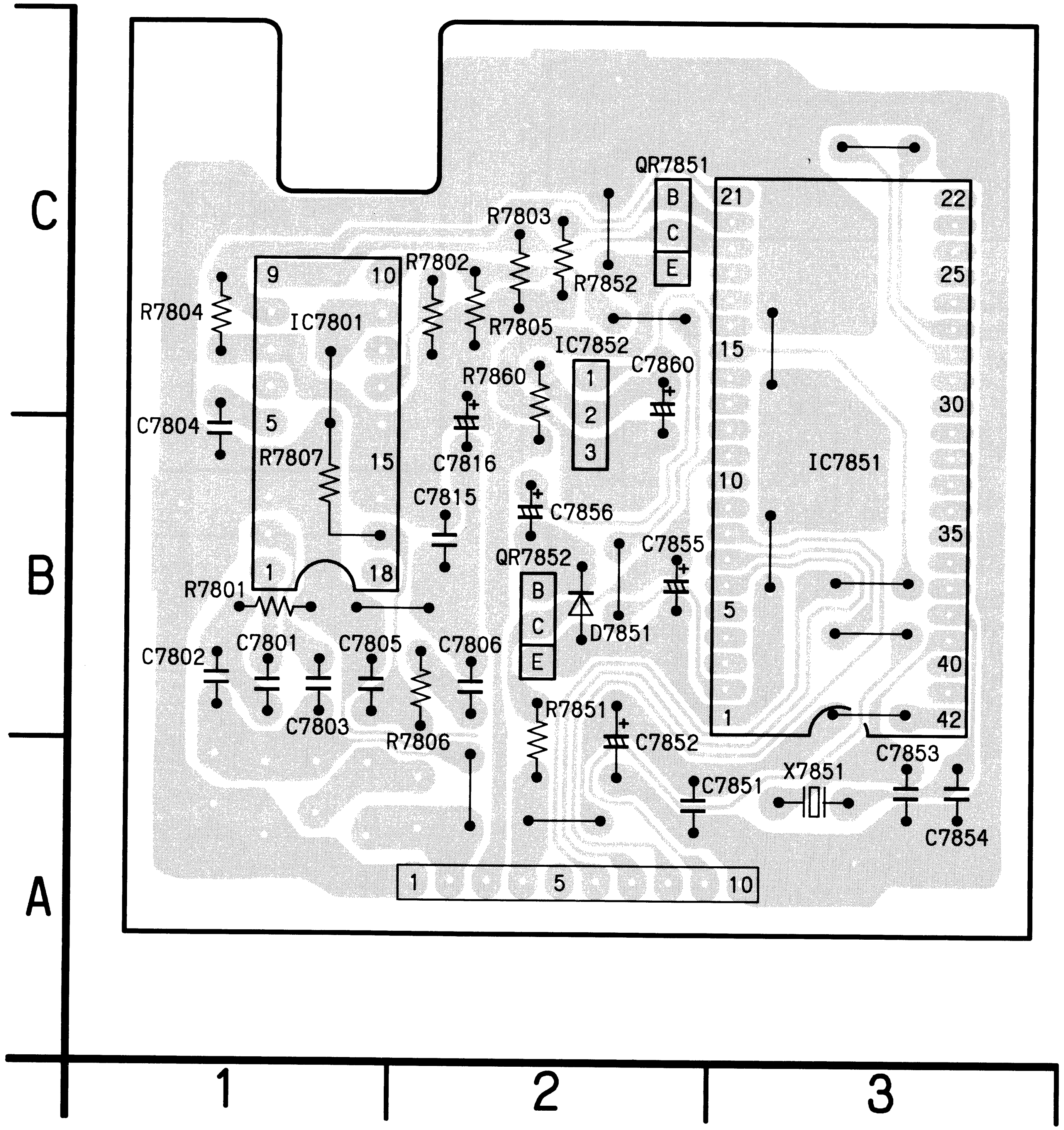
C
B
A
R7804
C7804
C7802

Back Page:
TIMER & OPERATION Section

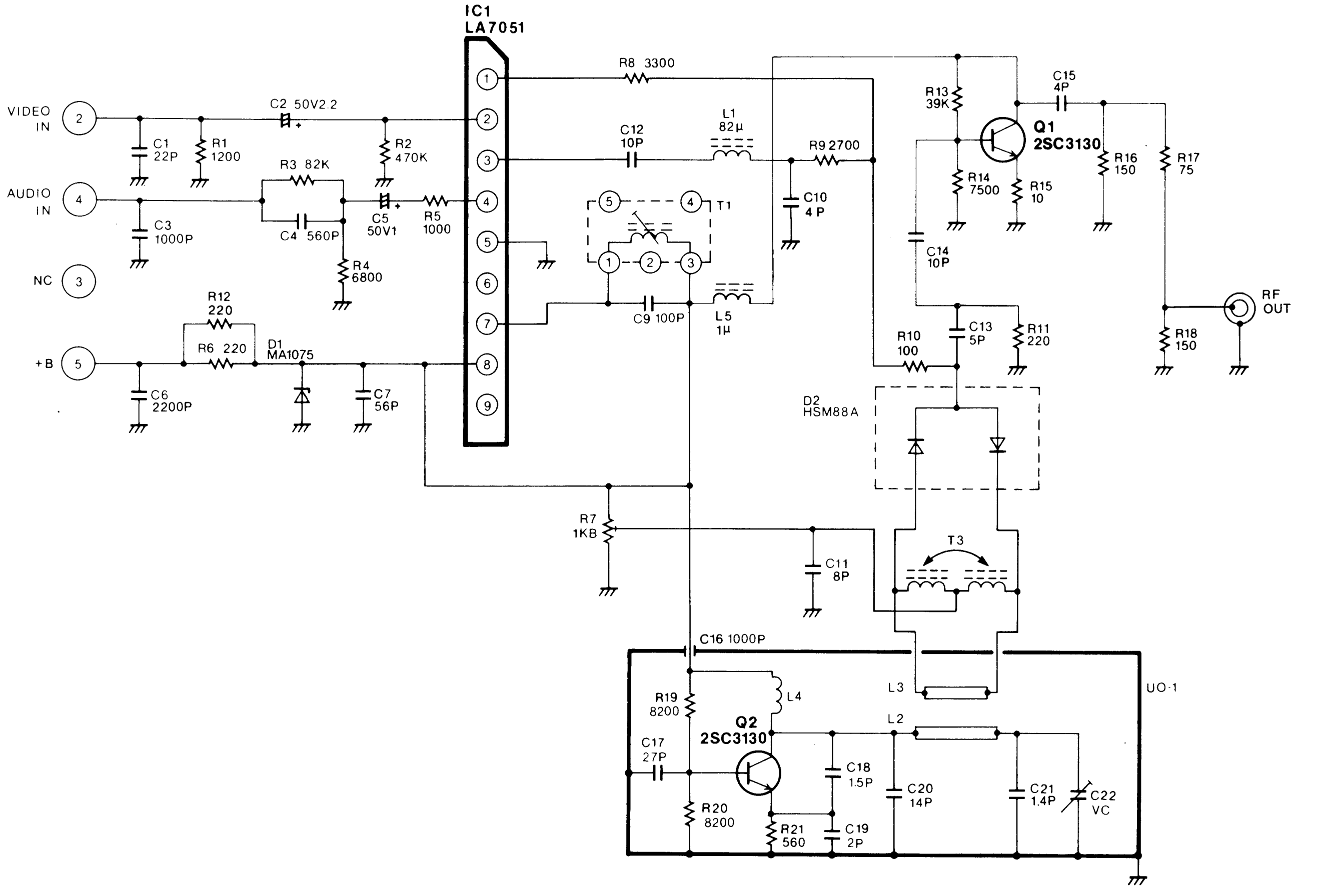
3-25. VPS PACK C.B.A. (VEP07538D: NV-J35EG)

VPS PACK C.B.A.	
Transistor & Resistor	
QR7851	C-2
QR7852	B-2
Interated Circuit	
IC7801	C-1
IC7851	B-3
IC7852	C-2

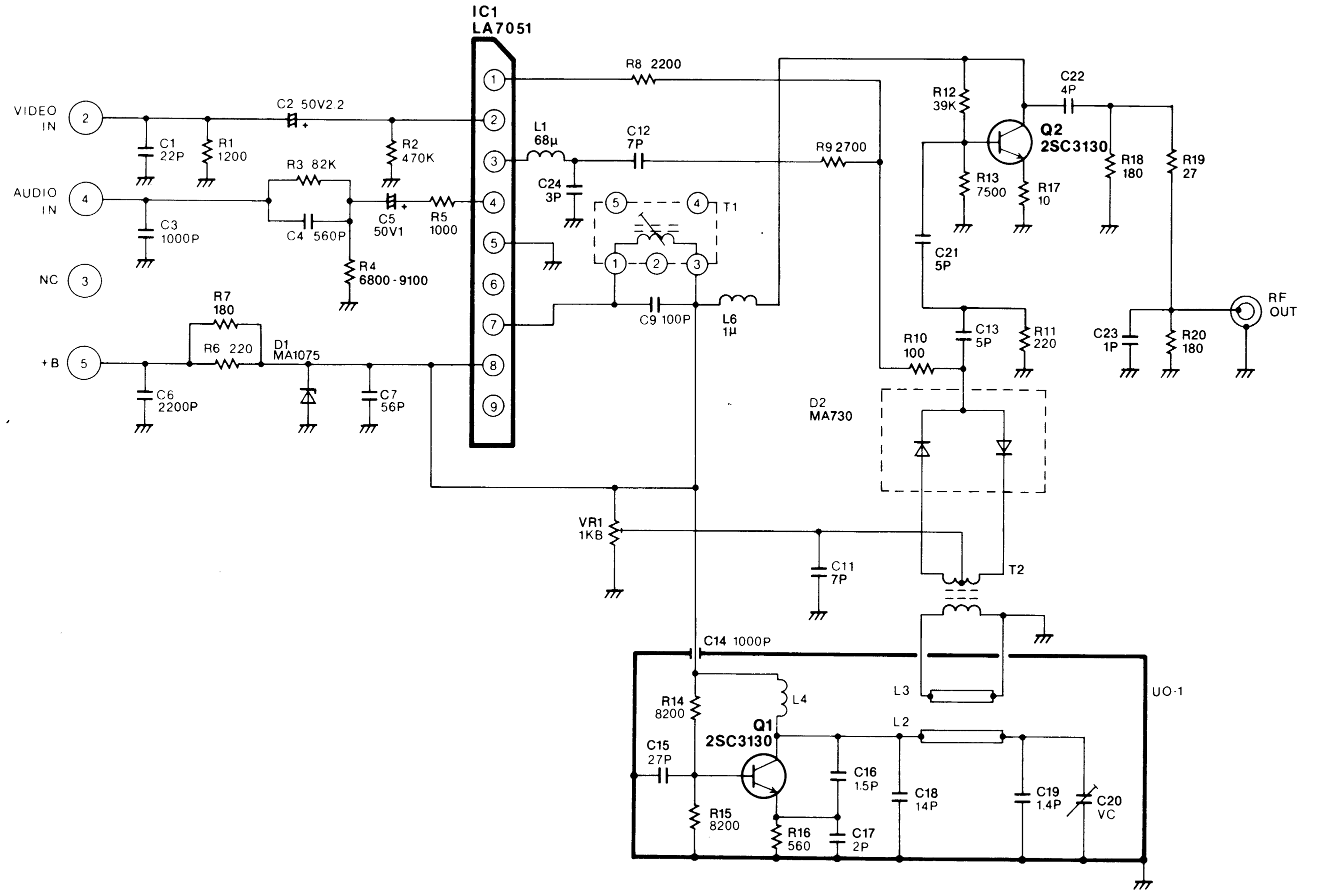
ADDRESS INFORMATION


C
B
A
1
2
3
QR7851
B
C
E
R7803
R7802
R7852
R7804
IC7801
9
10
R7805
IC7852
1
2
3
R7860
C7860
C7804
5
R7807
15
C7816
C7815
C7856
QR7852
C7855
R7801
1
18
D7851
C7802
C7801
C7805
C7806
C7803
R7806
R7851
C7852
C7851
X7851
C7853
C7854
IC7851
21
22
25
15
30
10
35
5
40
1
42
1
5
10

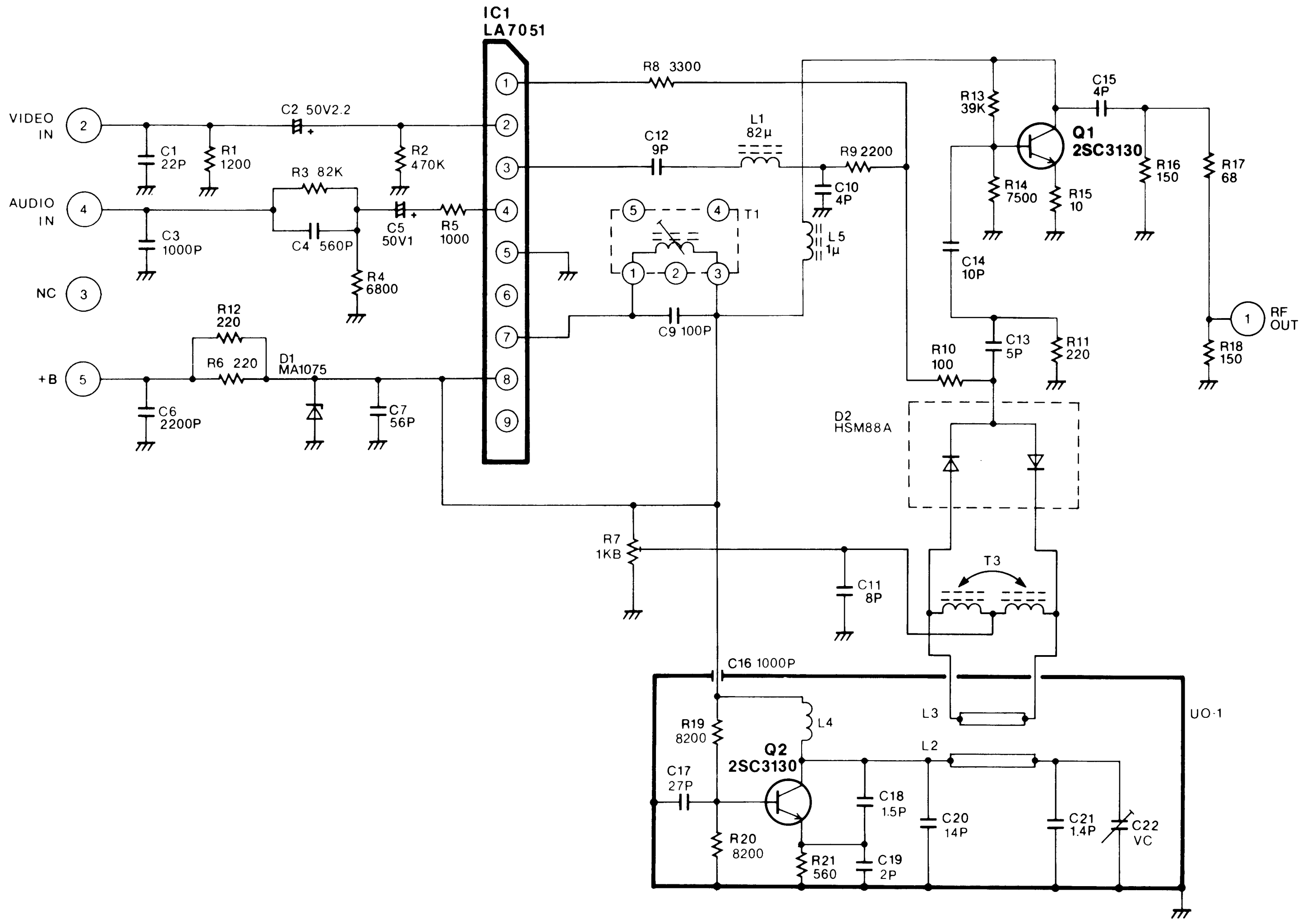
3-26. RF CONVERTER SCHEMATIC DIAGRAM (ENC17976: NV-J35EG)


IC1
LA7051
VIDEO IN
AUDIO IN
NC
+B
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 6800
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 10P
L1 82µ
R9 2700
T1
C10 4P
C9 100P
L5 1µ
R13 39K
C15 4P
Q1 2SC3130
R14 7500
R15 10
R16 150
R17 75
C14 10P
R10 100
C13 5P
R11 220
R18 150
RF OUT
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
UO-1
R19 8200
L4
Q2 2SC3130
L3
L2
C17 27P
C18 1.5P
C20 14P
C21 1.4P
C22 VC
R20 8200
R21 560
C19 2P

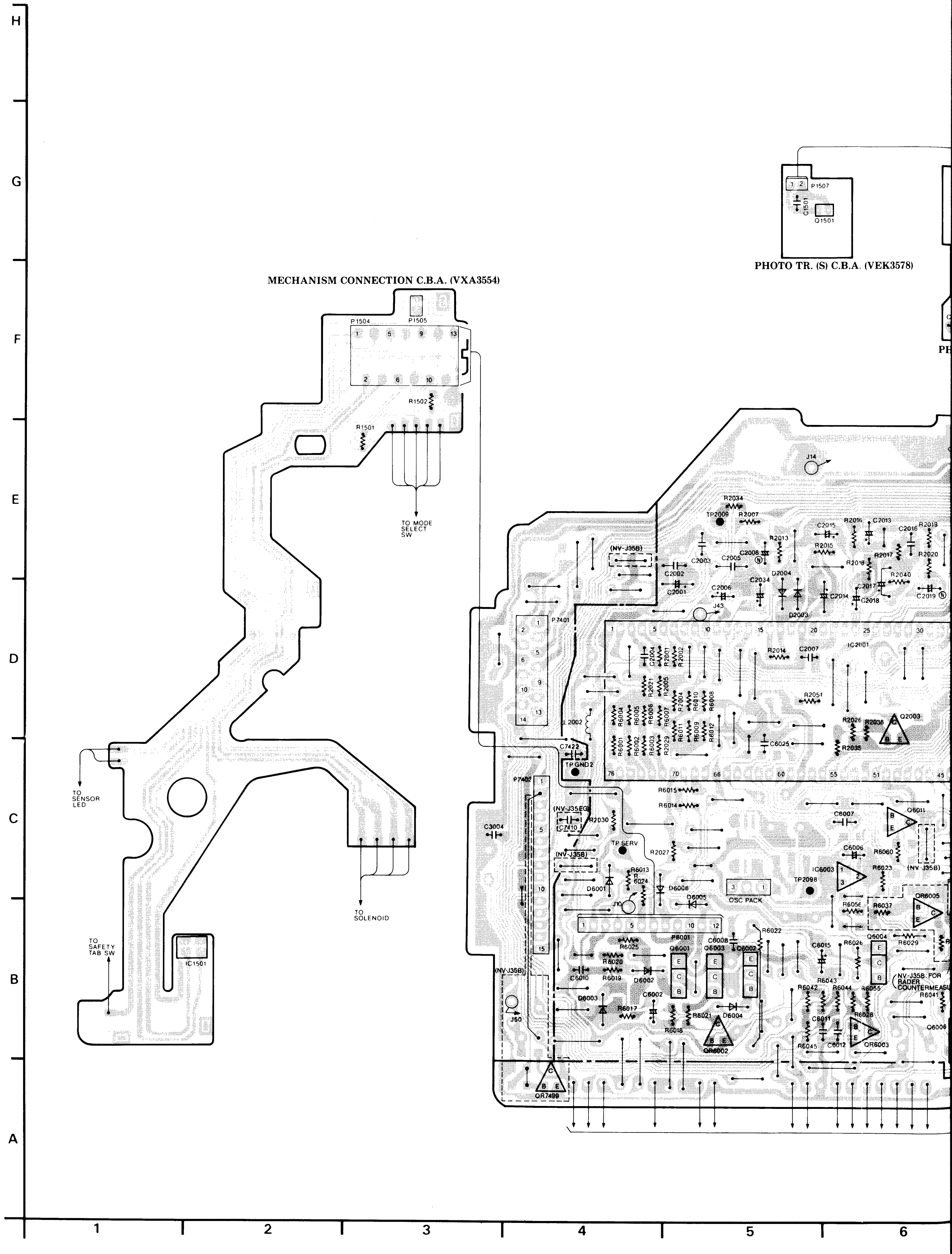
3-27. RF CONVERTER SCHEMATIC DIAGRAM (VEQ1043: NV-J35EG)


IC1
LA7051
VIDEO IN
AUDIO IN
NC
+B
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 6800-9100
R7 180
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 2200
L1 68µ
C12 7P
C24 3P
T1
C9 100P
L6 1µ
R9 2700
R12 39K
C22 4P
Q2 2SC3130
R13 7500
R17 10
R18 180
R19 27
C21 5P
R10 100
C13 5P
R11 220
C23 1P
R20 180
RF OUT
D2 MA730
VR1 1KB
C11 7P
T2
C14 1000P
UO-1
R14 8200
L4
Q1 2SC3130
L3
L2
C15 27P
C16 1.5P
C18 14P
C19 1.4P
C20 VC
R15 8200
R16 560
C17 2P

3-28. RF CONVERTER SCHEMATIC DIAGRAM (ENC17972A: NV-J35B)


IC1
LA7051
VIDEO IN
AUDIO IN
NC
+B
RF OUT
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R4 6800
R5 1000
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 9P
L1 82μ
R9 2200
C10 4P
T1
L5 1μ
C9 100P
R13 39K
Q1 2SC3130
C15 4P
R14 7500
R15 10
R16 150
R17 68
C14 10P
R10 100
C13 5P
R11 220
R18 150
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
L3
L2
L4
R19 8200
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
C20 14P
C21 1.4P
C22 VC
UO-1

3-29. MAIN C.B.A. (VEP03764AB: NV-J35EG) (VEP03764AA: NV-J35B)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
PHOTO TR. (S) C.B.A. (VEK3578)
P1507
Q1501
MECHANISM CONNECTION C.B.A. (VXA3554)
P1504
P1505
R1502
R1501
TO MODE SELECT SW
TO SENSOR LED
TO SOLENOID
TO SAFETY TAB SW
IC1501
J14
TP2009
IC2001
Q2003
P7401
P7402
TP GND2
TP SERV
IC6003
TP2098
OSC PACK
QR6002
QR7400
QR6003
QR6005
(NV-J35B)
(NV-J35EG)
(NV-J35B FOR RADER COUNTERMEASURE)
J50

64AA: NV-J35B)

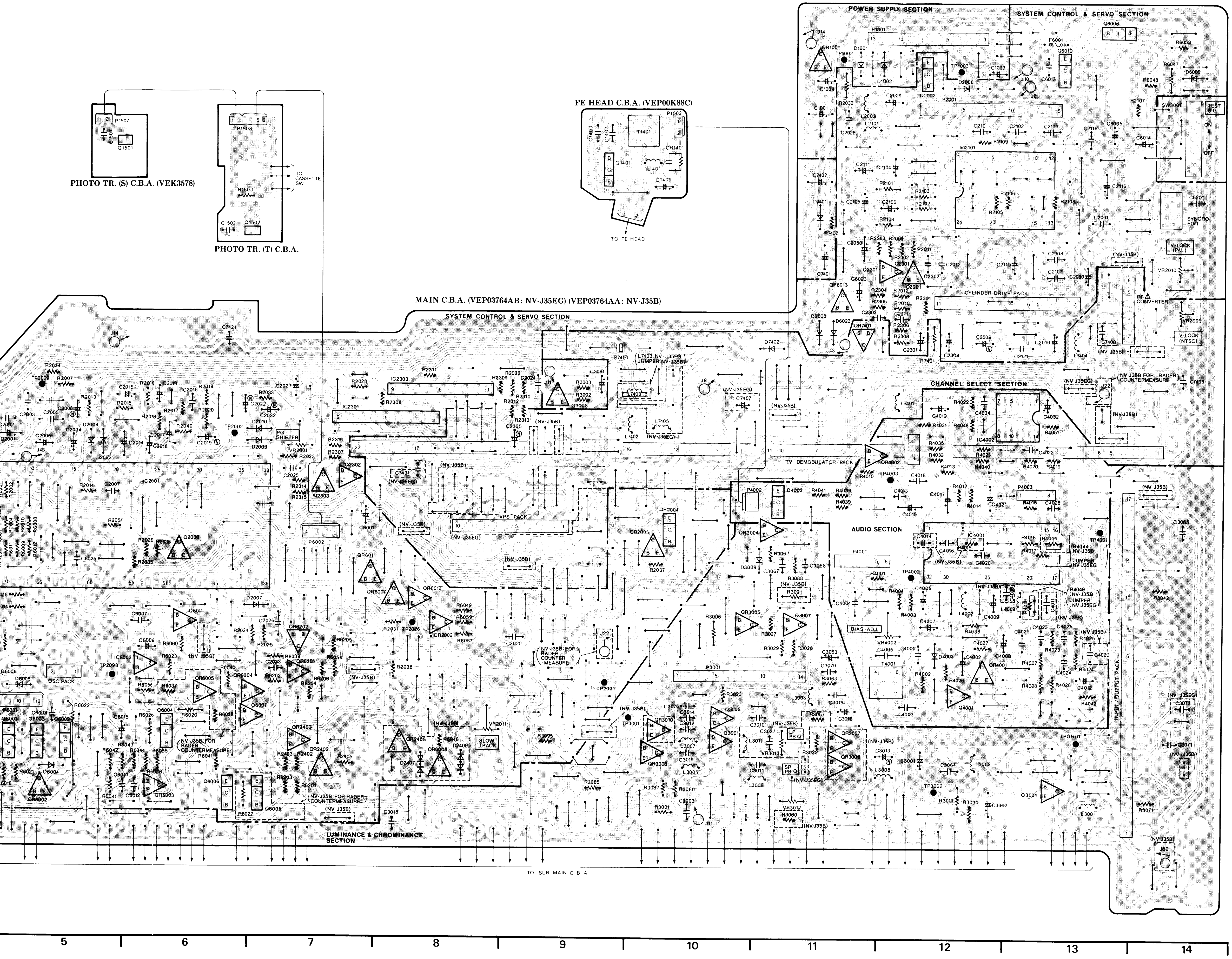


PHOTO TR. (S) C.B.A. (VEK3578)
PHOTO TR. (T) C.B.A.
TO CASSETTE SW
FE HEAD C.B.A. (VEP00K88C)
TO FE HEAD
POWER SUPPLY SECTION
SYSTEM CONTROL & SERVO SECTION
MAIN C.B.A. (VEP03764AB: NV-J35EG) (VEP03764AA: NV-J35B)
CYLINDER DRIVE PACK
CHANNEL SELECT SECTION
TV DEMODULATOR PACK
VPS PACK
AUDIO SECTION
OSC PACK
INPUT/OUTPUT PACK
RF CONVERTER
LUMINANCE & CHROMINANCE SECTION
TO SUB MAIN C.B.A
5
6
7
8
9
10
11
12
13
14

MAIN C.B.A. ADDRESS INFORMATION

SYSTEM CONTROL & SERVO Section	
Transistor	
Q1401	G-10
Q1501	G-6
Q1502	F-7
Q2001	F-12
Q2002	G-12
Q2003	D-6
Q2301	F-12
Q2302	D-7
Q2303	D-7
Q6001	B-5
Q6002	B-5
Q6003	B-5
Q6004	B-6
Q6005	B-7
Q6006	B-6
Q6007	B-7
Q6008	H-13
Q6010	H-13
Q6011	C-6
Transistor & Resistor	
QR2002	C-8
QR2004	D-10
QR2005	D-10
QR2402	B-7
QR2403	B-7
QR2405	B-8
QR6002	B-5
QR6003	B-6
QR6004	B-7
QR6005	C-6
QR6006	B-8
QR6007	C-8
QR6011	D-7
QR6012	C-8
QR6013	F-11
QR6201	C-7
QR6202	C-7
Integrated Circuit	
IC1501	B-2
IC2001	D-6
IC2101	G-12
IC2301	E-8
IC2302	E-8
IC6003	C-6
Test Point	
TP2001	C-9
TP2002	E-6
TP2009	E-5
TP2026	C-8
TP2098	C-5
TPSERV	C-4
TPGND2	C-4
Adjustment	
VR2001	D-7
VR2009	E-14
VR2010	F-14
VR2011	B-8
Connector	
P1502	G-10
P1504	F-3
P1505	F-3
P1507	G-5
P1508	G-6
P2001	G-12
P6001	B-5
P6002	D-7

ADDRESS INFORMATION

CHANNEL SELECT Section	
Transistor & Resistor	
QR7401	E-11
Connector	
P7401	D-4
P7402	C-4

ADDRESS INFORMATION

AUDIO Section	
Transistor	
Q4001	B-12
Q4002	D-11
Transistor & Resistor	
QR4001	C-12
QR4002	D-12
Integrated Circuit	
IC4001	D-12
IC4002	E-13
Test Point	
TP4001	D-13
TP4002	C-12
TP4003	D-12
Adjustment	
VR4002	C-12
Connector	
P4001	D-11
P4002	D-11
P4003	D-13

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE Section	
Transistor	
Q3001	B-10
Q3003	E-9
Q3004	B-13
Q3006	B-10
Q3007	C-11
Transistor & Resistor	
QR3004	D-11
QR3005	C-10
QR3006	B-11
QR3007	B-11
QR3008	B-10
QR3010	B-10
Test Point	
TP3001	B-10
TP3002	B-12
Adjustment	
VR3012	B-11
VR3013	B-11
Connector	
P3001	C-10

ADDRESS INFORMATION

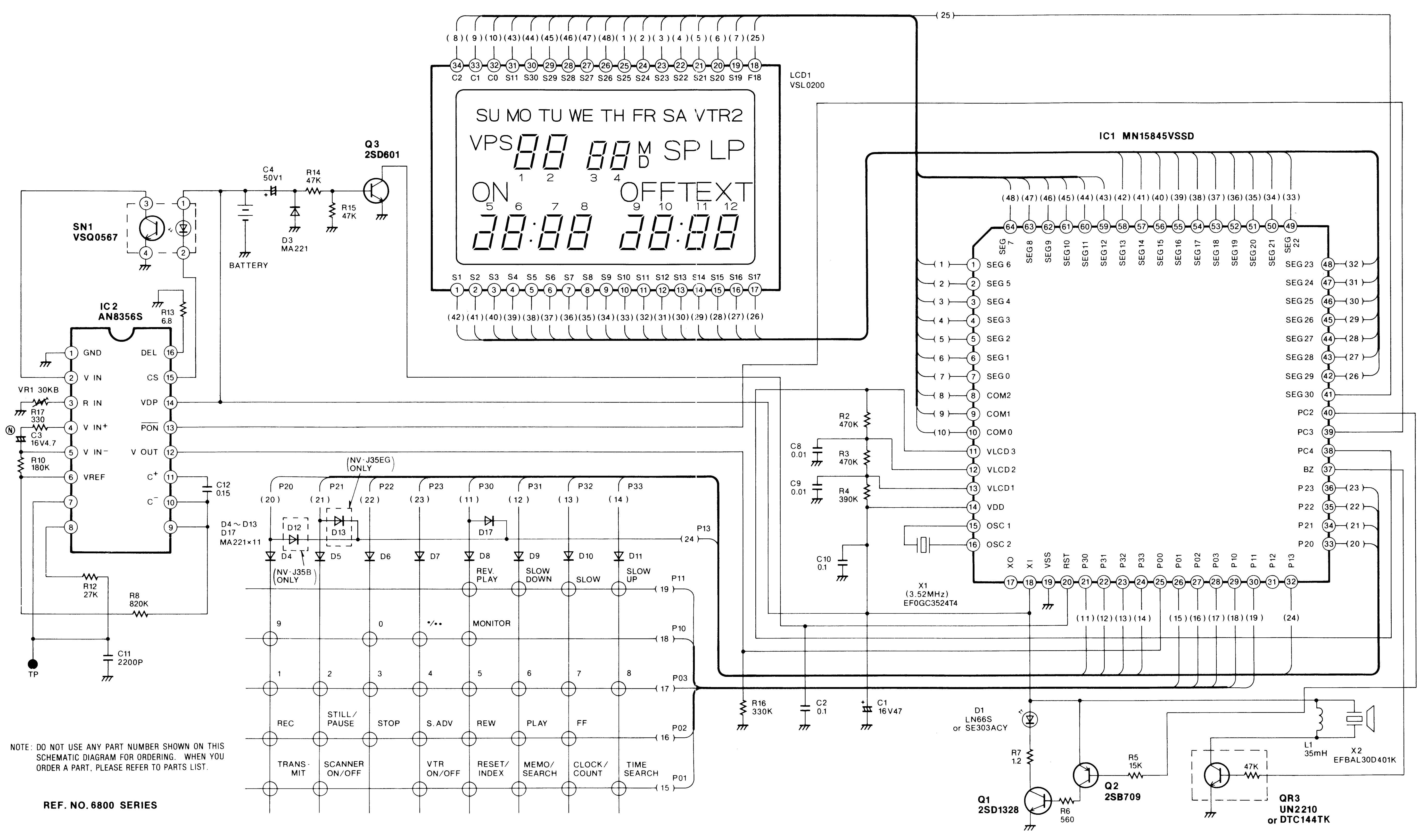
POWER Section	
Transistor & Resistor	
QR1001	H-11
Test Point	
TP1002	H-11
TP1003	G-12
TPGND1	B-13
Connector	
P1001	H-12

ADDRESS INFORMATION

3-30. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) SCHEMATIC DIAGRAM

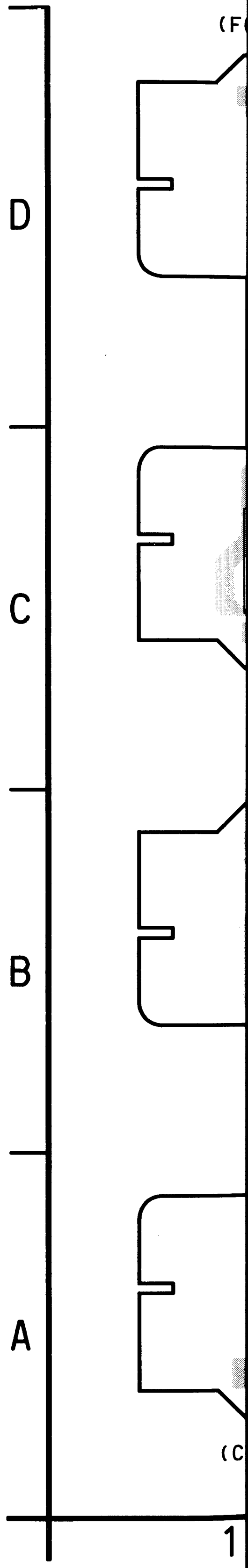
— UNIT NO.: VEQ1120 (NV-J35EG), VEQ1119 (NV-J35B) —

3-31. REMOT


LCD1
VSL0200
SU MO TU WE TH FR SA VTR2
VPS 88 88 M D SP LP
ON OFF TEXT
88:88 88:88
C2 C1 C0 S11 S30 S29 S28 S27 S26 S25 S24 S23 S22 S21 S20 S19 F18
S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17
IC1 MN15845VSSD
SEG 6
SEG 5
SEG 4
SEG 3
SEG 2
SEG 1
SEG 0
COM 2
COM 1
COM 0
VLCD 3
VLCD 2
VLCD 1
VDD
OSC 1
OSC 2
SEG 7
SEG 8
SEG 9
SEG 10
SEG 11
SEG 12
SEG 13
SEG 14
SEG 15
SEG 16
SEG 17
SEG 18
SEG 19
SEG 20
SEG 21
SEG 22
SEG 23
SEG 24
SEG 25
SEG 26
SEG 27
SEG 28
SEG 29
SEG 30
PC2
PC3
PC4
BZ
P23
P22
P21
P20
XO
XI
VSS
RST
P30
P31
P32
P33
P00
P01
P02
P03
P10
P11
P12
P13
Q3
2SD601
C4
50V1
R14
47K
R15
47K
D3
MA221
BATTERY
SN1
VSQ0567
IC2
AN8356S
R13
6.8
GND
V IN
R IN
V IN+
V IN−
VREF
DEL
CS
VDP
PON
V OUT
C+
C−
VR1 30KB
R17
330
C3
16V4.7
R10
180K
C12
0.15
R12
27K
R8
820K
C11
2200P
TP
R2
470K
R3
470K
R4
390K
C8
0.01
C9
0.01
C10
0.1
X1
(3.52MHz)
EF0GC3524T4
R16
330K
C2
0.1
C1
16V47
D1
LN66S
or SE303ACY
R7
1.2
Q1
2SD1328
R6
560
R5
15K
Q2
2SB709
47K
QR3
UN2210
or DTC144TK
L1
35mH
X2
EFBAL30D401K
P20
P21
P22
P23
P30
P31
P32
P33
(NV-J35EG)
ONLY
D4～D13
D17
MA221×11
D12
D13
D17
D4
D5
D6
D7
D8
D9
D10
D11
(NV-J35B)
ONLY
P13
P11
P10
P03
P02
P01
REV.
PLAY
SLOW
DOWN
SLOW
SLOW
UP
9
0
*/••
MONITOR
1
2
3
4
5
6
7
8
REC
STILL/
PAUSE
STOP
S.ADV
REW
PLAY
FF
TRANS-
MIT
SCANNER
ON/OFF
VTR
ON/OFF
RESET/
INDEX
MEMO/
SEARCH
CLOCK/
COUNT
TIME
SEARCH

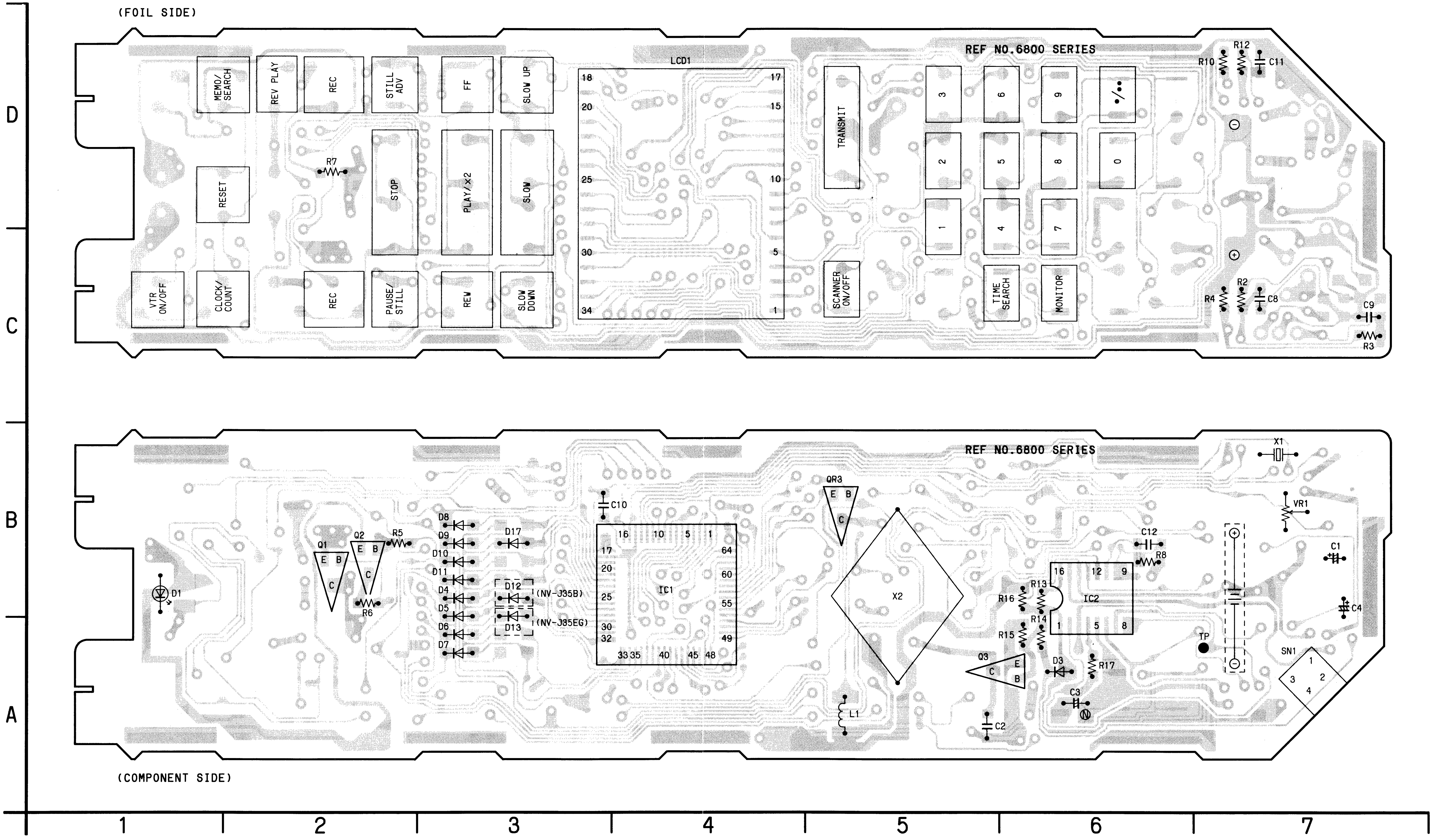
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

REF. NO. 6800 SERIES

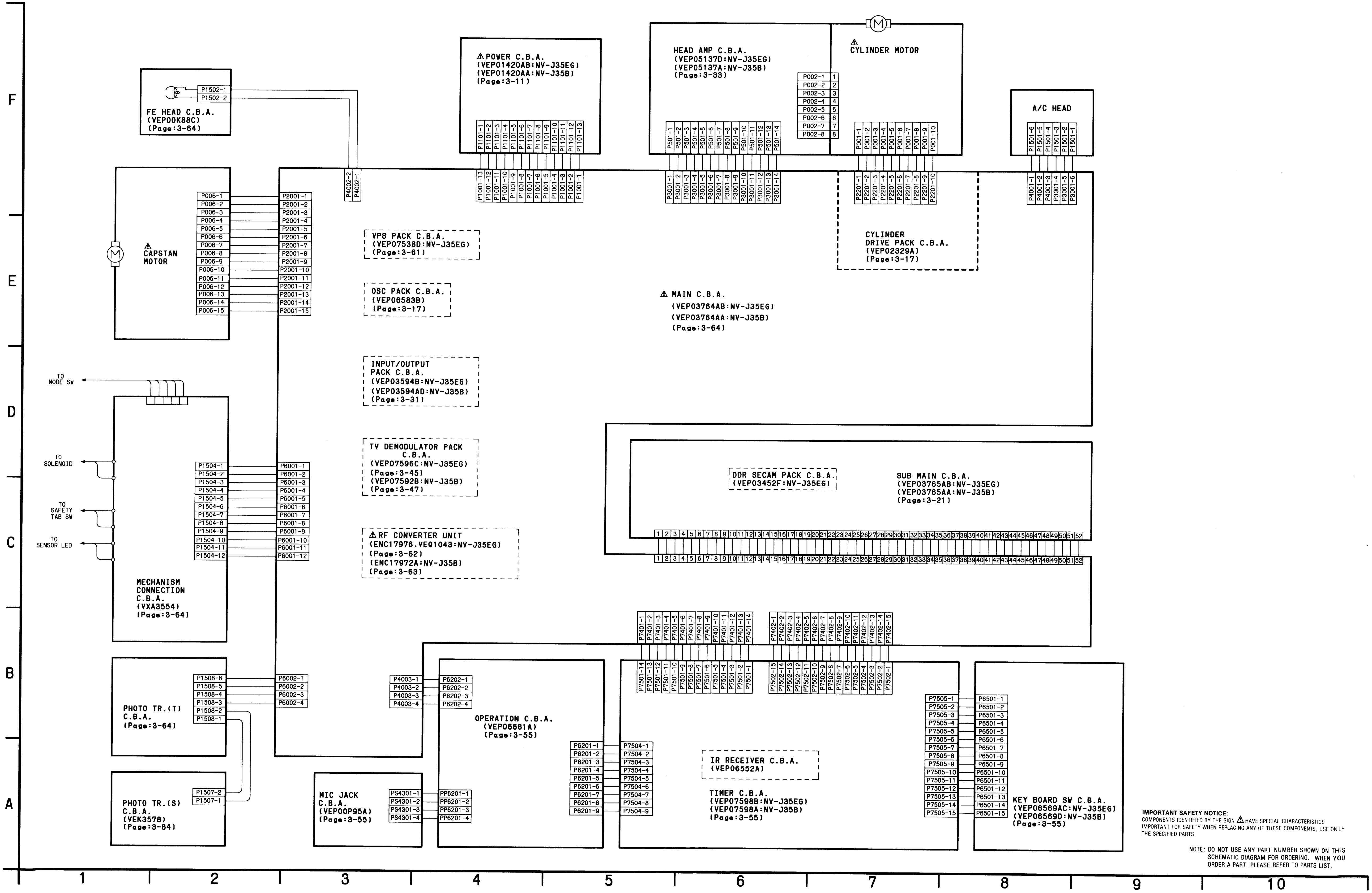


Back Page:
RF CONV. & MAIN C.B.A. Section

3-31. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) C.B.A. (VEP66125E: NV-J35EG) (VEP66125D: NV-J35B)


(FOIL SIDE)
REF NO.6800 SERIES
MEMO/SEARCH
REV PLAY
REC
STILL ADV
FF
SLOW UP
RESET
R7
STOP
PLAY/×2
SLOW
VTR ON/OFF
CLOCK/COUNT
REC
PAUSE/STILL
REW
SLOW DOWN
LCD1
18
17
20
15
25
10
30
5
34
1
TRANSMIT
SCANNER ON/OFF
3
6
9
•/••
2
5
8
0
1
4
7
TIME SEARCH
MONITOR
R10
R12
C11
R4
R2
C8
C9
R3
(COMPONENT SIDE)
REF NO.6800 SERIES
D1
Q1
E B C
Q2
E B C
R5
R6
D8
D9
D10
D11
D4
D5
D6
D7
D17
D12
(NV-J35B)
D13
(NV-J35EG)
C10
IC1
16 10 5 1
17 64
20 60
25 55
30
32 49
33 35 40 45 48
QR3
E B C
X2
L1
C2
Q3
C E B
R16
R13
R14
R15
D3
R17
C3
C12
R8
IC2
16 12 9
1 5 8
TP
X1
VR1
C1
C4
SN1
1 2 3 4
D
C
B
A
1
2
3
4
5
6
7

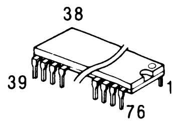
3-32. INTERCONNECTION SCHEMATIC DIAGRAM


FE HEAD C.B.A.
(VEP00K88C)
(Page:3-64)
P1502-1 P1502-2
P4002-2 P4002-1
⚠ POWER C.B.A.
(VEP01420AB:NV-J35EG)
(VEP01420AA:NV-J35B)
(Page:3-11)
P1101-1 P1101-2 P1101-3 P1101-4 P1101-5 P1101-6 P1101-7 P1101-8 P1101-9 P1101-10 P1101-11 P1101-12 P1101-13
P1001-13 P1001-12 P1001-11 P1001-10 P1001-9 P1001-8 P1001-7 P1001-6 P1001-5 P1001-4 P1001-3 P1001-2 P1001-1
HEAD AMP C.B.A.
(VEP05137D:NV-J35EG)
(VEP05137A:NV-J35B)
(Page:3-33)
P002-1 P002-2 P002-3 P002-4 P002-5 P002-6 P002-7 P002-8
1 2 3 4 5 6 7 8
P501-1 P501-2 P501-3 P501-4 P501-5 P501-6 P501-7 P501-8 P501-9 P501-10 P501-11 P501-12 P501-13 P501-14
P3001-1 P3001-2 P3001-3 P3001-4 P3001-5 P3001-6 P3001-7 P3001-8 P3001-9 P3001-10 P3001-11 P3001-12 P3001-13 P3001-14
⚠ CYLINDER MOTOR
M
P001-1 P001-2 P001-3 P001-4 P001-5 P001-6 P001-7 P001-8 P001-9 P001-10
P2201-1 P2201-2 P2201-3 P2201-4 P2201-5 P2201-6 P2201-7 P2201-8 P2201-9 P2201-10
CYLINDER DRIVE PACK C.B.A.
(VEP02329A)
(Page:3-17)
A/C HEAD
P1501-6 P1501-5 P1501-4 P1501-3 P1501-2 P1501-1
P4001-1 P4001-2 P4001-3 P3001-4 P3001-5 P3001-6
⚠ CAPSTAN MOTOR
M
P006-1 P006-2 P006-3 P006-4 P006-5 P006-6 P006-7 P006-8 P006-9 P006-10 P006-11 P006-12 P006-13 P006-14 P006-15
P2001-1 P2001-2 P2001-3 P2001-4 P2001-5 P2001-6 P2001-7 P2001-8 P2001-9 P2001-10 P2001-11 P2001-12 P2001-13 P2001-14 P2001-15
VPS PACK C.B.A.
(VEP07538D:NV-J35EG)
(Page:3-61)
OSC PACK C.B.A.
(VEP06583B)
(Page:3-17)
INPUT/OUTPUT PACK C.B.A.
(VEP03594B:NV-J35EG)
(VEP03594AD:NV-J35B)
(Page:3-31)
TV DEMODULATOR PACK C.B.A.
(VEP07596C:NV-J35EG)
(Page:3-45)
(VEP07592B:NV-J35B)
(Page:3-47)
⚠ RF CONVERTER UNIT
(ENC17976.VEQ1043:NV-J35EG)
(Page:3-62)
(ENC17972A:NV-J35B)
(Page:3-63)
⚠ MAIN C.B.A.
(VEP03764AB:NV-J35EG)
(VEP03764AA:NV-J35B)
(Page:3-64)
TO MODE SW
TO SOLENOID
TO SAFETY TAB SW
TO SENSOR LED
P1504-1 P1504-2 P1504-3 P1504-4 P1504-5 P1504-6 P1504-7 P1504-8 P1504-9 P1504-10 P1504-11 P1504-12
P6001-1 P6001-2 P6001-3 P6001-4 P6001-5 P6001-6 P6001-7 P6001-8 P6001-9 P6001-10 P6001-11 P6001-12
MECHANISM CONNECTION C.B.A.
(VXA3554)
(Page:3-64)
DDR SECAM PACK C.B.A.
(VEP03452F:NV-J35EG)
SUB MAIN C.B.A.
(VEP03765AB:NV-J35EG)
(VEP03765AA:NV-J35B)
(Page:3-21)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
P7401-1 P7401-2 P7401-3 P7401-4 P7401-5 P7401-6 P7401-7 P7401-8 P7401-9 P7401-10 P7401-11 P7401-12 P7401-13 P7401-14
P7402-1 P7402-2 P7402-3 P7402-4 P7402-5 P7402-6 P7402-7 P7402-8 P7402-9 P7402-10 P7402-11 P7402-12 P7402-13 P7402-14 P7402-15
P7501-14 P7501-13 P7501-12 P7501-11 P7501-10 P7501-9 P7501-8 P7501-7 P7501-6 P7501-5 P7501-4 P7501-3 P7501-2 P7501-1
P7502-15 P7502-14 P7502-13 P7502-12 P7502-11 P7502-10 P7502-9 P7502-8 P7502-7 P7502-6 P7502-5 P7502-4 P7502-3 P7502-2 P7502-1
PHOTO TR.(T) C.B.A.
(Page:3-64)
P1508-6 P1508-5 P1508-4 P1508-3 P1508-2 P1508-1
P6002-1 P6002-2 P6002-3 P6002-4
PHOTO TR.(S) C.B.A.
(VEK3578)
(Page:3-64)
P1507-2 P1507-1
P4003-1 P4003-2 P4003-3 P4003-4
P6202-1 P6202-2 P6202-3 P6202-4
OPERATION C.B.A.
(VEP06681A)
(Page:3-55)
P6201-1 P6201-2 P6201-3 P6201-4 P6201-5 P6201-6 P6201-7 P6201-8 P6201-9
P7504-1 P7504-2 P7504-3 P7504-4 P7504-5 P7504-6 P7504-7 P7504-8 P7504-9
MIC JACK C.B.A.
(VEP00P95A)
(Page:3-55)
PS4301-1 PS4301-2 PS4301-3 PS4301-4
PP6201-1 PP6201-2 PP6201-3 PP6201-4
IR RECEIVER C.B.A.
(VEP06552A)
TIMER C.B.A.
(VEP07598B:NV-J35EG)
(VEP07598A:NV-J35B)
(Page:3-55)
P7505-1 P7505-2 P7505-3 P7505-4 P7505-5 P7505-6 P7505-7 P7505-8 P7505-9 P7505-10 P7505-11 P7505-12 P7505-13 P7505-14 P7505-15
P6501-1 P6501-2 P6501-3 P6501-4 P6501-5 P6501-6 P6501-7 P6501-8 P6501-9 P6501-10 P6501-11 P6501-12 P6501-13 P6501-14 P6501-15
KEY BOARD SW C.B.A.
(VEP06569AC:NV-J35EG)
(VEP06569D:NV-J35B)
(Page:3-55)
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10

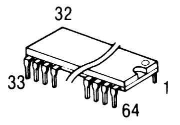
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

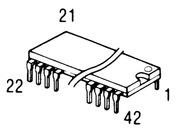
3-33. ICs & TRs INFORMATION



MN6740VCQK



MN187125VHP



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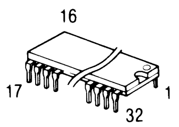

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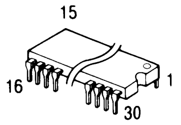

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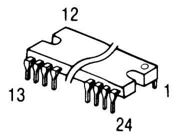

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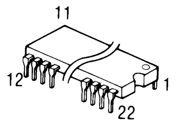

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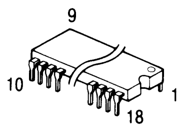

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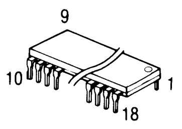

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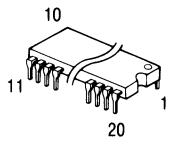

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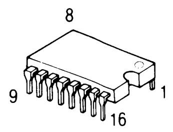

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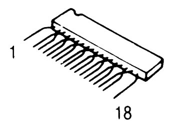

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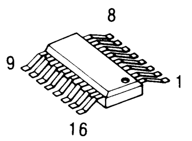

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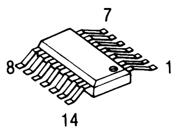

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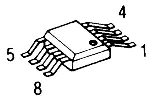

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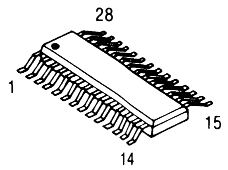

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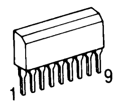

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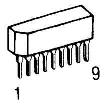

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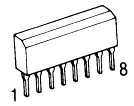

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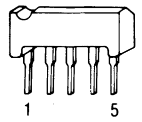

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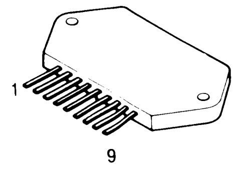

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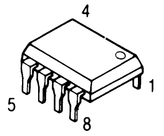

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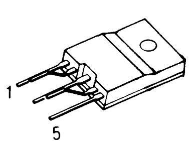

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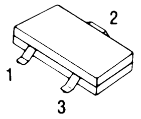

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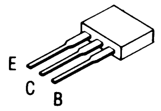

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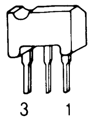

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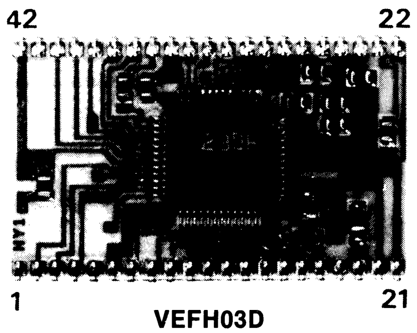
MN1280S
MN1280K



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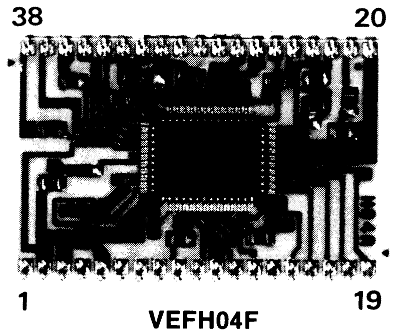

VEFH04F

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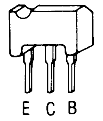
INTERCONNECTION Section



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2SD638
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2SD637
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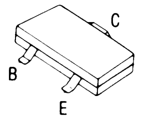

2SA1034 2SD602
2SB710 MSB709
2SC2405 MSC2295
2SC2295 MSD601
2SD1328
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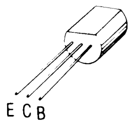

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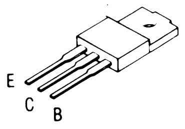

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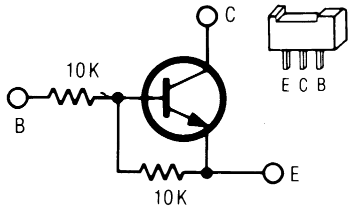
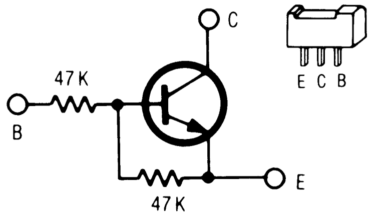

C
10K
B
E
10K
E C B

UN1211
DTC114EA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B
E
47K
E C B

UN1213
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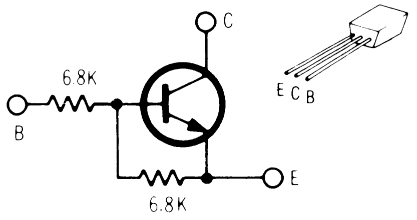
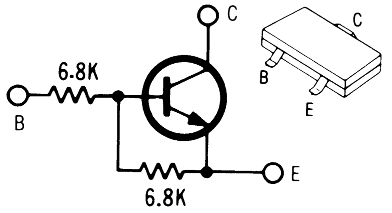

C
6.8K
B
E
6.8K
E C B

2SD1676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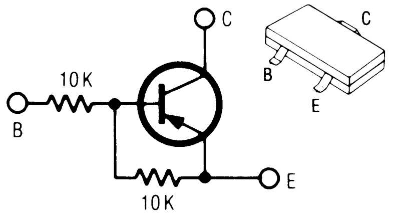
B
E
6.8K
C
B
E

DTC363EK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E
10K
C
B
E

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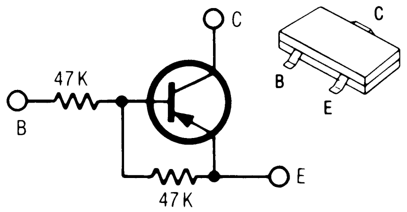
MRN2402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E
47K
C
B
E

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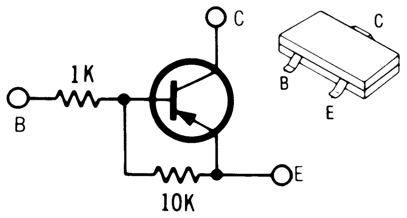
MRN2404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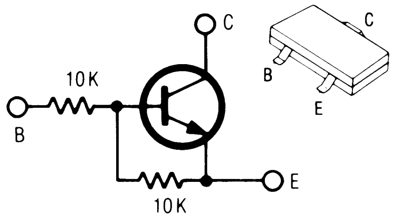
1K
B
E
10K
C
B
E

UN2119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E
10K
C
B
E

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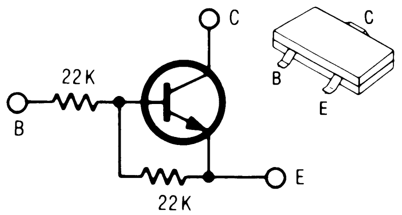
MRN1402
DTC114EK


C
22K
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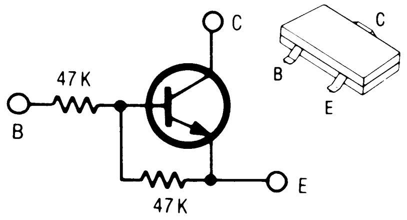
E
22K
C
B
E

UN2212
MRN1403


C
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E
47K
C
B
E

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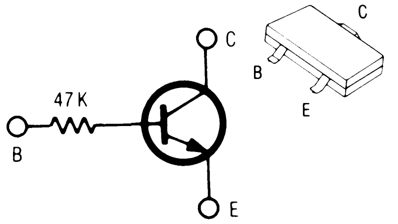

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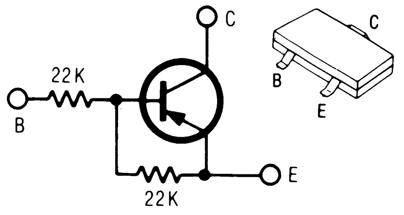
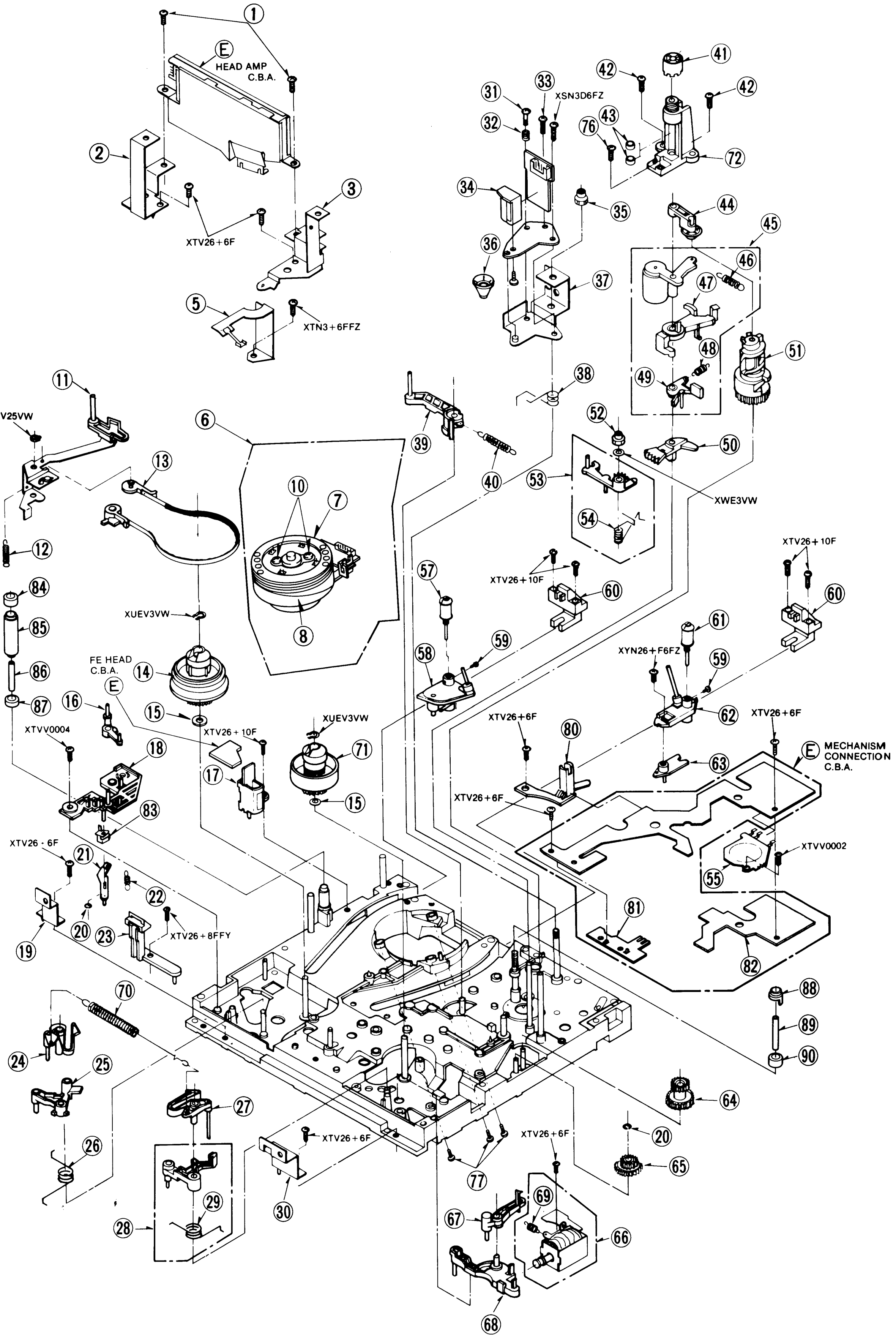

C
22K
B
E
22K
C
B
E

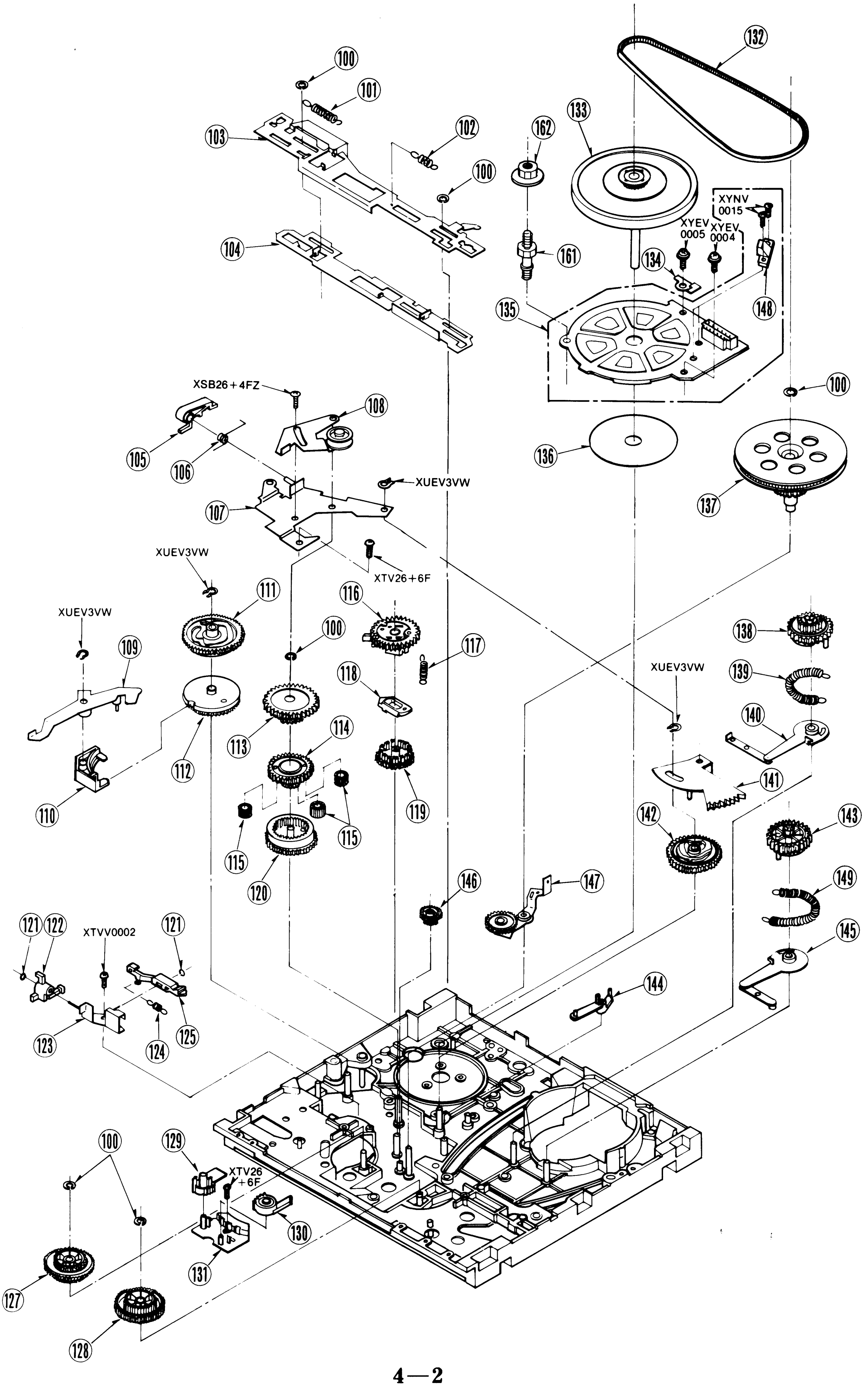
UN2112
DTA124EK
MRN2403

SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW ❶ CHASSIS PARTS SECTION (1)

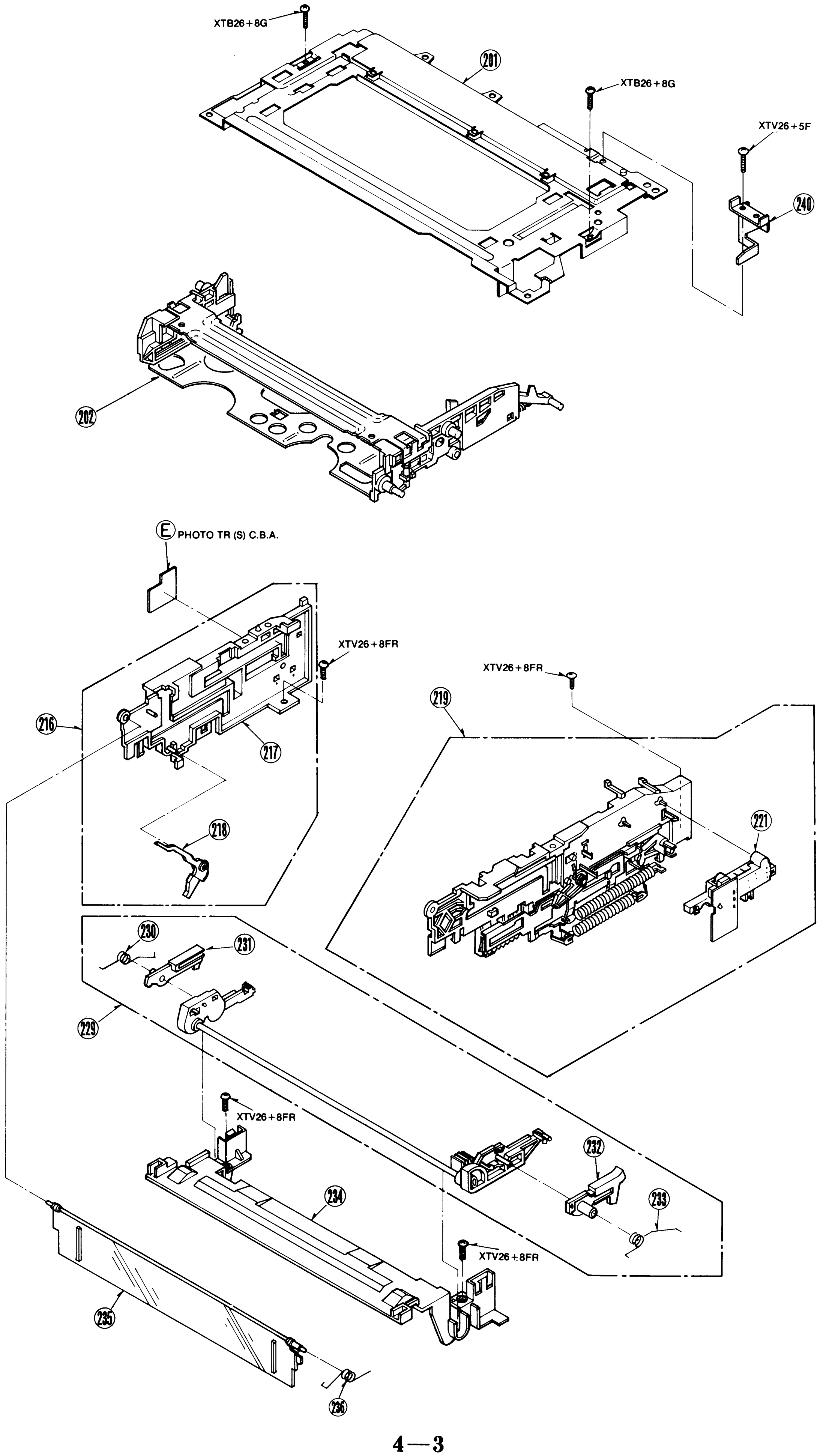

①
Ⓔ HEAD AMP C.B.A.
②
③
XTV26+6F
⑤
XTN3+6FFZ
㊶
㊷
㊷
㉝
XSN3D6FZ
㉛
㉜
(76)
㊸
(72)
㉞
㉟
㊹
㊺
㊱
㊻
㊲
㊼
㊽
(51)
㊳
㊾
⑪
XUEV25VW
⑥
㊴
(52)
㊿
㊵
(53)
⑬
XWE3VW
⑩
⑦
(54)
⑫
(57)
XTV26+10F
XTV26+10F
(60)
(60)
(84)
(85)
XUEV3VW
⑧
(59)
(61)
FE HEAD C.B.A. Ⓔ
⑭
(58)
XYN26+F6FZ
(59)
(86)
(87)
⑯
⑮
XUEV3VW
XTVV0004
XTV26+10F
(62)
XTV26+6F
XTV26+6F
(80)
⑱
(71)
⑰
Ⓔ MECHANISM CONNECTION C.B.A.
(63)
⑮
XTV26+6F
(83)
XTV26-6F
㉑
(55)
XTVV0002
㉒
(81)
⑲
⑳
㉓
XTV26+8FFY
(82)
(70)
(88)
(89)
㉔
㉕
(90)
㉗
(64)
XTV26+6F
⑳
XTV26+6F
㉖
(65)
(77)
㉚
㉙
(69)
(67)
㉘
(66)
(68)

❷ CHASSIS PARTS SECTION (2)

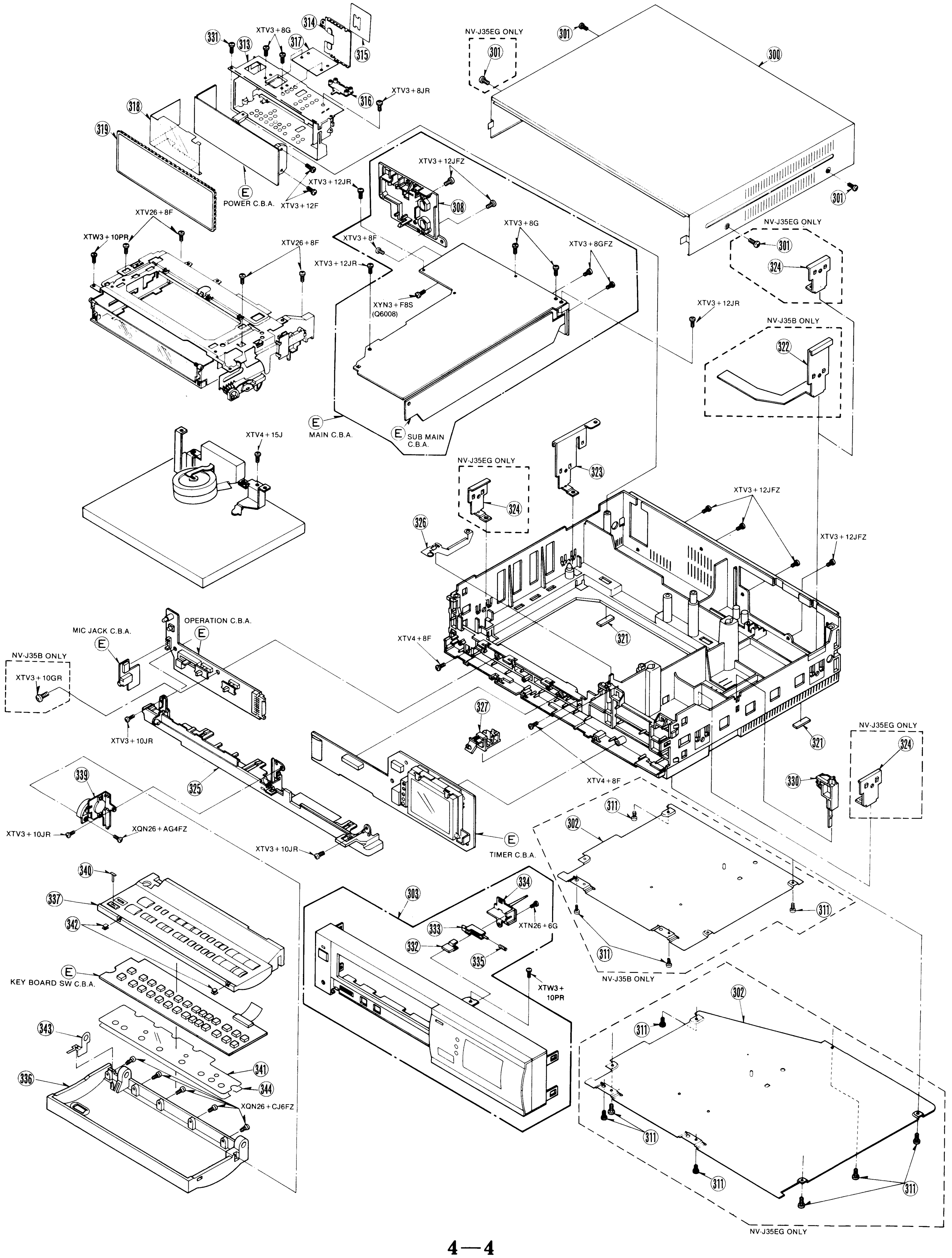


132
100
101
103
102
162
133
100
XYNV 0015
XYEV 0005
XYEV 0004
104
161
134
148
135
100
XSB26+4FZ
108
105
106
136
137
XUEV3VW
107
XUEV3VW
XTV26+6F
111
116
XUEV3VW
100
109
117
138
118
XUEV3VW
139
113
114
140
112
141
110
119
115
142
143
115
120
146
147
149
121
122
XTVV0002
121
145
144
123
124
125
100
129
XTV26 +6F
130
131
127
128

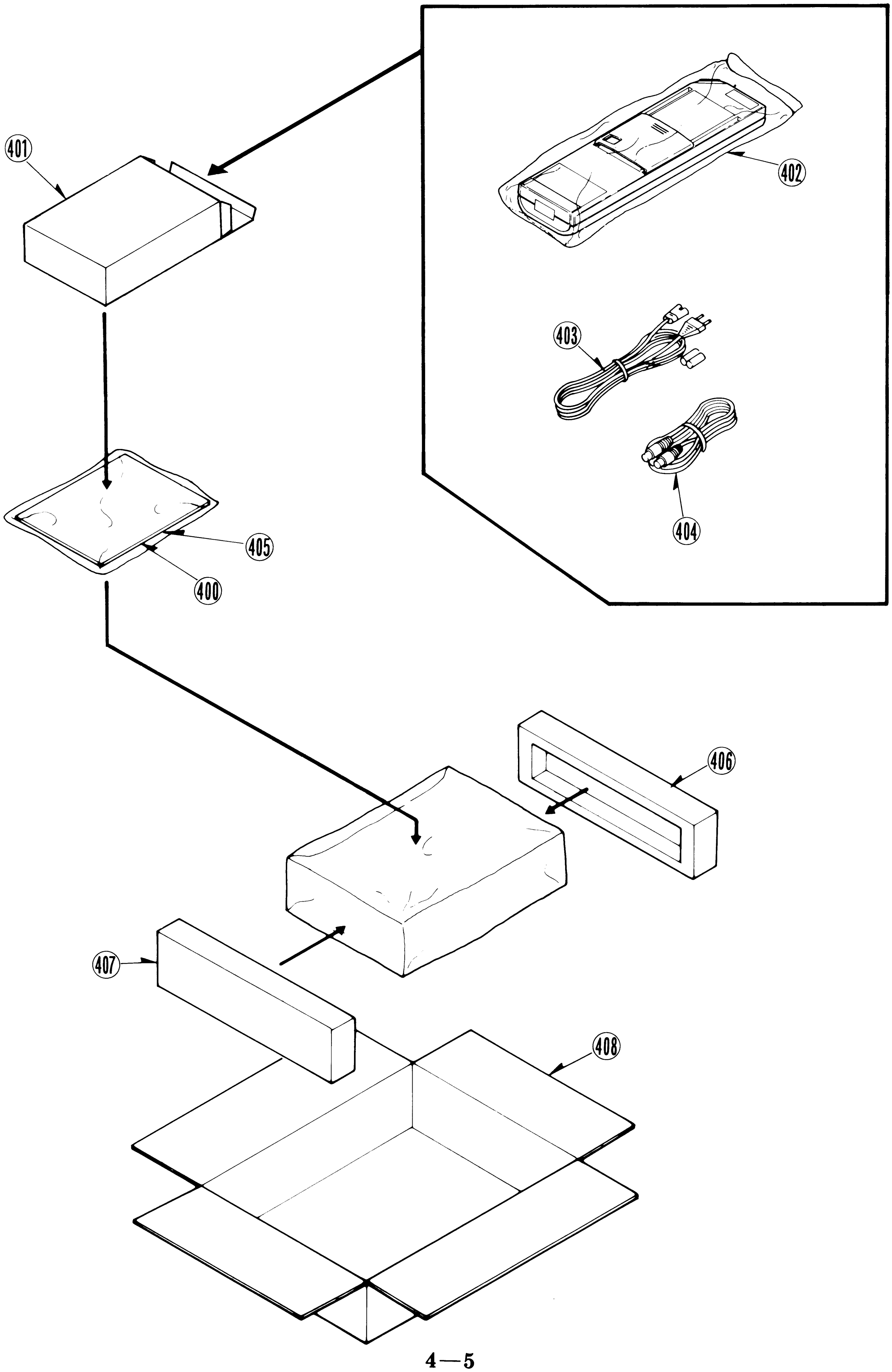
❸ CASSETTE UP MECHANISM SECTION


XTB26+8G
201
XTB26+8G
XTV26+5F
240
202
E PHOTO TR (S) C.B.A.
XTV26+8FR
216
217
218
XTV26+8FR
219
221
230
231
229
XTV26+8FR
232
234
233
XTV26+8FR
235
236

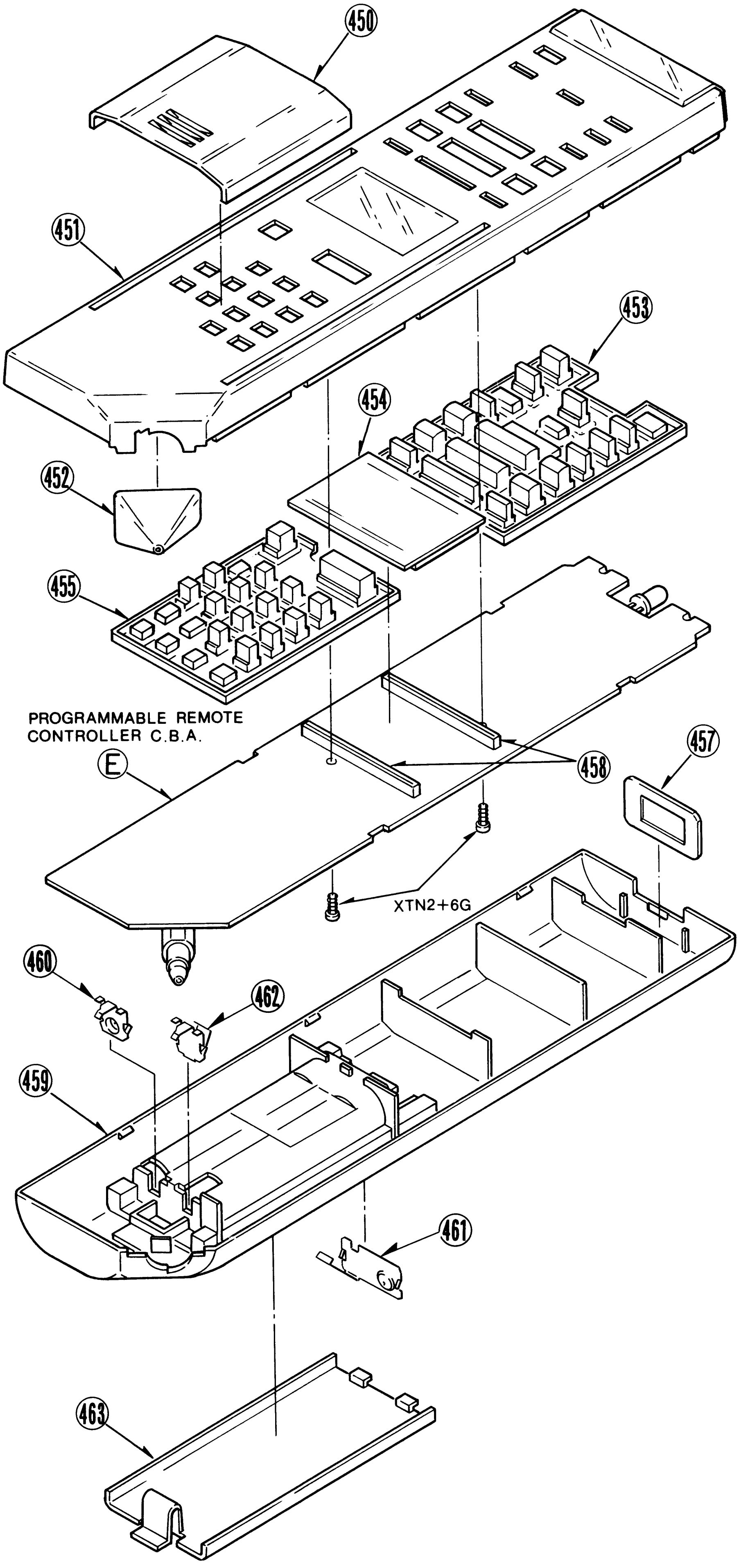
❹ CASING PARTS SECTION


331
313
XTV3+8G
314
317
315
316
XTV3+8JR
NV-J35EG ONLY
301
301
300
301
318
319
E
POWER C.B.A.
XTV3+12JR
XTV3+12F
XTV3+12JFZ
308
XTV3+12JR
XTV26+8F
XTW3+10PR
XTV26+8F
XTV3+8F
XTV3+12JR
XTV3+8G
XTV3+8GFZ
XYN3+F8S
(Q6008)
NV-J35EG ONLY
301
324
XTV3+12JR
NV-J35B ONLY
322
E
MAIN C.B.A.
E
SUB MAIN
C.B.A.
XTV4+15J
NV-J35EG ONLY
324
323
326
XTV3+12JFZ
XTV3+12JFZ
OPERATION C.B.A.
MIC JACK C.B.A.
E
E
NV-J35B ONLY
XTV3+10GR
XTV4+8F
321
XTV3+10JR
327
321
XTV4+8F
NV-J35EG ONLY
324
330
339
325
311
302
XTV3+10JR
XQN26+AG4FZ
XTV3+10JR
E
TIMER C.B.A.
311
311
NV-J35B ONLY
340
337
342
E
KEY BOARD SW C.B.A.
303
334
333
XTN26+6G
332
335
XTW3+
10PR
302
311
343
336
341
344
XQN26+CJ6FZ
311
311
311
NV-J35EG ONLY

❺ PACKING PARTS SECTION


401
402
403
404
405
400
406
407
408

❻ REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) UNIT



450
451
453
454
452
455
PROGRAMMABLE REMOTE CONTROLLER C.B.A.
Ⓔ
458
457
XTN2+6G
460
462
459
461
463

4-2. MECHANICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
**********		NV-J35EG/B			
1(1)		VHD0141	HEAD AMP SET SCREW	2	
2(1)		VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)		VMA6898	HEAD AMP MOUNT ANGLE (R)	1	
5(1)		VXS0082	EARTH PLATE UNIT	1	
6(1)		VEG0759	CYLINDER UNIT	1	<!>
7(1)		VEH0417	UPPER CYLINDER UNIT	1	<!>
8(1)		VJR0082	RT TERMINAL	1	
10(1)		VHD0425	UPPER CYLINDER SET SCREW	2	
11(1)		VXL1495	TENSION ARM (1) UNIT	1	
12(1)		VMB1563	TENSION SPRING	1	
13(1)		VXZ0267	TENSION BAND UNIT	1	
14(1)		VXR0185	SUPPLY REEL TABLE UNIT	1	
15(1)		VMX1171	REEL WASHER (0.5mm)	2	
15(1)		VMX1239	REEL WASHER (0.3mm)	2	
15(1)		VMX1238	REEL WASHER (0.2mm)	2	
16(1)		VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)		VBS0038	FE HEAD	1	
18(1)		VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)		VMA6895	MOUNT ANGLE (L)	1	
20(1)		VMX1079	CUT WASHER	2	
21(1)		VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)		VMB1582	TENSION RELEASE SPRING	1	
23(1)		VES0489	SAFETY SW	1	
24(1)		VXZ0259	SUPPLY MAIN BRAKE UNIT	1	
25(1)		VXZ0274	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)		VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)		VXZ0262	TAKE UP MAIN BRAKE UNIT	1	
28(1)		VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)		VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)		VMA6896	MOUNT ANGLE (R)	1	
31(1)		VHD0322	ADJUST SCREW	1	
32(1)		VMB1251	ADJUST SPRING	1	
33(1)		VHD0089B	AZIMUTH ADJUST SCREW	1	
34(1)		VBR0132	A/C HEAD	1	
35(1)		VHN0063	M4 NYLON NUT	1	
36(1)		VHN0110	ADJUST NUT	1	
37(1)		VMA7831	HEAD BASE	1	
38(1)		VMB1567	A/C HEAD SPRING	1	
39(1)		VXL1857	SUB LOADING ARM (1) UNIT	1	
40(1)		VMB1566	SUB POST SPRING	1	
41(1)		VXQ0006	THRUST SCREW UNIT	1	
42(1)		VHD0317	HOUSING SCREW	2	
43(1)		VMX1033	OIL SEAL	2	
44(1)		VMX1353	PINCH CAM CAP	1	
45(1)		VXL1858	PRESSURE ROLLER UNIT	1	
46(1)		VMB1941	PIN PRESSURE SPRING	1	
47(1)		VML2232	PINCH PRESSURE ARM	1	
48(1)		VMB1569	PINCH PRESSURE ARM RELEASE	1	
			SPRING		
49(1)		VML1874	PINCH LIFT ARM	1	
50(1)		VDG0597	P5 PULL OUT SECTOR GEAR	1	
51(1)		VDG0421	PINCH CAM	1	
52(1)		VHD0045	M3 NYLON NUT	1	
53(1)		VXL1485	P5 UNIT	1	
54(1)		VMB1554	P5 SPRING	1	
55(1)		VSS0175	MODE SW	1	
57(1)		VXP0863	ROLLER POST UNIT	1	
58(1)		VXA2729	INCLIND BASE (S)(1)UNIT	1	
59(1)		VHD0133	ROLLER POST SCREW	2	
60(1)		VMD0910	POST STOPPER	2	
61(1)		VXP0764A	ROLLER POST UNIT	1	
62(1)		VXA3876	INCLIND BASE(T)(1)UNIT	1	
63(1)		VXA2687	INCLIND ADJUST PLATE UNIT	1	
64(1)		VDG0483	PINCH SPEED DOWN GEAR	1	
65(1)		VDG0332	CONNECTION GEAR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
66(1)		VXA3735	SOLENOID UNIT	1	
67(1)		VXA2692	KICK ROD UNIT	1	
68(1)		VML1849	SOLENOID LEVER (1) UNIT	1	
69(1)		VMB1553	KICK ROD SPRING	1	
70(1)		VMB1958	MAIN BRAKE SPRING	1	
71(1)		VXR0188	TAKE UP REEL TABLE UNIT	1	
72(1)		VXD0101	HOUSING UNIT	1	
76(1)		VHD0374	HOUSING SCREW	1	
77(1)		VHD0342	CYLINDER SCREW	3	
80(1)		VXA3520	LED HOLDER UNIT	1	
81(1)		VMA7844	REINFORCEMENT PLATE (F)	1	
82(1)		VMA7845	REINFORCEMENT PLATE (R)	1	
83(1)		VMB1733	LEAF SPRING	1	
84(1)		VMX1088	SUPPLY UPPER LIMITER	1	
85(1)		VDP1072	SUPPLY ROLLER	1	
86(1)		VMX1581	P1 COLLAR	1	
87(1)		VMX1533	SUPPLY ROLLER LIMITER	1	
88(1)		VMX1544	P4 UPPER LIMITER	1	
89(1)		VMX1568	P4 SLEEVE	1	
90(1)		VMX1534	P4 LOWER LIMITER	1	
100(2)		VMX1079	CUT WASHER	6	
101(2)		VMB1583	TAKE UP SOFT BRAKE RELEASE	1	
			ARM SPRING		
102(2)		VMB1560	MAIN LEVER SPRING	1	
103(2)		VXA3509	MAIN LEVER (1) UNIT	1	
104(2)		VMM0215	SUB LEVER	1	
105(2)		VXL1873	SS BRAKE ARM UNIT	1	
106(2)		VMB1588	SS BRAKE SPRING	1	
107(2)		VXA3512	SS BRAKE BASE (1) UNIT	1	
108(2)		VXA3516	TENSION ROLLER UNIT	1	
109(2)		VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)		VML1861	DETENT ARM	1	
111(2)		VDG0574	MAIN CAM GEAR	1	
112(2)		VDG0343	SUB CAM GEAR	1	
113(2)		VDG0348	CENTRE GEAR	1	
114(2)		VDG0422	RETAINER GEAR	1	
115(2)		VDG0345	PLANET GEAR	3	
116(2)		VDG0547	CLUTCH DISK	1	
117(2)		VMB1558	CLUTCH SPRING	1	
118(2)		VDG0350	LOCK SLIDE GEAR	1	
119(2)		VDG0335	DRIVE DISK	1	
120(2)		VDG0342	RING GEAR	1	
121(2)		VMX0967	CUT WASHER	2	
122(2)		VML1859	CHANGE LEVER	1	
123(2)		VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)		VMB1557	RELEASE SPRING	1	
125(2)		VML1860	RELEASE LEVER	1	
127(2)		VXP1002	TAKE UP REEL GEAR UNIT	1	
128(2)		VDG0445	SUPPLY REEL GEAR	1	
129(2)		VML1858	RETURN LEVER (R)	1	
130(2)		VML1857	RETURN LEVER (L)	1	
131(2)		VMD0913	STOPPER BASE	1	
132(2)		VDV0169	TIMING BELT	1	
133(2)		VXP1113	ROTOR UNIT	1	
134(2)		VMA7941	ROTOR STOPPER	1	
135(2)		VEK4105	STATOR UNIT	1	<!>
136(2)		VMA6847	SUB PLATE	1	
137(2)		VXP0917	CENTRE PULLEY UNIT	1	
138(2)		VDG0564	LOADING GEAR (T)	1	
139(2)		VMB1555	LOADING SPRING (T)	1	
140(2)		VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)		VXA3515	SECTOR GEAR UNIT	1	
142(2)		VDG0448	LOADING CAM GEAR	1	
143(2)		VDG0419	LOADING GEAR (S)	1	
144(2)		VML1855	PLAY CONTROL ARM	1	
145(2)		VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)		VDG0546	INTERMEDIATE GEAR	1	
147(2)		VXL1861	PLAY ARM UNIT	1	
148(2)		VBK0048	FG HEAD	1	
149(2)		VMB1746	LOADING SPRING(S)	1	
161(2)		VHD0431	STATOR SPACER SCREW	1	
162(2)		VHN0102	STATOR NUT	1	
201(3)		VMA7223	TOP PLATE	1	
202(3)		VXA3832	CASSETTE HOLDER UNIT	1	
216(3)		VXA2676	SIDE PLATE (L) UNIT	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
217(3)		VMD0917	SIDE PLATE (L)	1	
218(3)		VML1880	OPENER LEVER	1	
219(3)		VXA3895	SIDE PLATE (R) UNIT	1	
221(3)		VXA4642	SLIDE SW UNIT	1	
229(3)		VXP0987	MAIN SHAFT UNIT	1	
230(3)		VMB1836	SUB WIPER SPRING (L)	1	
231(3)		VML1878	SUB WIPER ARM (L)	1	
232(3)		VML1879	SUB WIPER ARM (R)	1	
233(3)		VMB1837	SUB WIPER SPRING (R)	1	
234(3)		VMA6900	CASSETTE GUIDE	1	
235(3)		VKF1212	BLINDER PANEL	1	
236(3)		VMB1258	BLINDER SPRING	1	
240(3)		VMA7224	CASSETTE HOLDER ANGLE	1	
300(4)		VYP3043	TOP PANEL UNIT	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
300(4)		VGM0624	TOP PANEL	1	[SUPPLIED FROM M.B.V]
					NV-J35B
301(4)		VHD0304	TOP PANEL SCREW	4	NV-J35EG
301(4)		VHD0304	TOP PANEL SCREW	2	NV-J35B
302(4)		VKU0309	BOTTOM PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
302(4)		VKU0245	BOTTOM PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35B
303(4)		VYP3150	FRONT PANEL UNIT	1	
308(4)		VEJ0840	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
308(4)		VEJ0839	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35B
311(4)		VHD0059	BOTTOM PLATE SCREW	7	NV-J35EG
311(4)		VHD0059	BOTTOM PLATE SCREW	4	NV-J35B
313(4)		VXA3635	POWER SHIELD CASE(MAIN)UNIT	1	
314(4)		VSC2351	POWER SHIELD COVER (TOP)	1	
315(4)		VGH1476	NAME PLATE	1	
316(4)		VGQ1377	IC. HOLDER	1	
317(4)		VMZ1224	INSULATION SHEET	1	
318(4)		VMZ1140	SW BARRIER(A)	1	
319(4)		VSC2237	POWER SHIELD COVER(BOTTOM)	1	
321(4)		VKA0084	RUBBER FOOT	2	
322(4)		VMP1994	TOP HOLDER ANGLE (RR)	1	NV-J30B
323(4)		VMP1995	TOP HOLDER ANGLE (RL)	1	
324(4)		VMP1037	TOP HOLDER ANGLE (L)	3	NV-J30EG
325(4)		VYF1335	SUPPORT PANEL UNIT	1	
326(4)		VMA7949	EARTH ANGLE	1	
327(4)		VKC0327	TIMER HINGE (A)	1	
329(4)		VMC0460	EARTH SPRING	1	
330(4)		VJF0707	MAIN C.B.A. HOLDER	1	
331(4)		VHD0141	MAIN SCREW	1	
332(4)		VGU4497	DOOR OPEN BUTTON	1	
333(4)		VGU4498	DOOR LOCK LEVER	1	
334(4)		VGQ1675	LOCK LEVER HOLDER	1	
335(4)		VMB1963	LOCK LEVER SPRING	1	
336(4)		VYC0397	DOOR PANEL UNIT	1	NV-J35EG
336(4)		VYC0398	DOOR PANEL UNIT	1	NV-J35B
337(4)		VYP3147	KEY BOARD PANEL UNIT	1	NV-J35EG
337(4)		VYP3154	KEY BOARD PANEL UNIT	1	NV-J35B
339(4)		VXU0881	DOOR GEAR UNIT	1	
340(4)		VGL0455	PANEL LIGHT	1	
341(4)		VMZ1342	DOOR INSULATION SHEET	1	
342(4)		VMT0212	CUSHION RUBBER	2	
343(4)		VMC0524	DOOR EARTH SPRING	1	NV-J35EG
343(4)		VMC0459	DOOR EARTH SPRING	1	NV-J35B
344(4)		VMP2686	SUPPORT ANGLE	1	
400(5)		VQT3621	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(ENGLISH/GERMAN/FRENCH)		<!> NV-J35EG
400(5)		VQT3706	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(GREEK)		<!> NV-J35EG
400(5)		VQT3622	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(ENGLISH)		<!> NV-J35B
401(5)		VPK0825	ACCESSORIES BOX	1	[SUPPLIED FROM M.B.V]
402(5)		VEQ1120	REMOTE CONTROL UNIT	1	NV-J35EG
			(BUILD IN DIGITAL SCANNER)		
402(5)		VEQ1119	REMOTE CONTROL UNIT	1	NV-J35B
			(BUILD IN DIGITAL SCANNER)		
403(5)		VJA0449	AC POWER CORD	1	<!> NV-J35EG

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
403(5)		VJA0568	AC POWER CORD	1	<!> NV-J35B
404(5)		VJA0376	DIN RF CABLE	1	
405(5)		VQC1315	PROGRAMME SHEET	1	NV-J35EG
405(5)		VQC1330	PROGRAMME SHEET	1	NV-J35B
406(5)		VPN2822	CUSHION (R)	1	[SUPPLIED FROM M.B.V]
407(5)		VPN2823	CUSHION (L)	1	[SUPPLIED FROM M.B.V]
408(5)		VPG5377	PACKING	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
408(5)		VPG5379	PACKING	1	[SUPPLIED FROM M.B.V]
					NV-J35B
450(6)		VKF1445	SLIDING LID	1	
451(6)		VYK3066	TOP COVER UNIT	1	NV-J35EG
451(6)		VYK3065	TOP COVER UNIT	1	NV-J35B
452(6)		VGQ1640	SENSOR CAP	1	
453(6)		VSP0507	RUBBER CONTACT (A)	1	
454(6)		VSL0200	LCD	1	
455(6)		VSP0508	RUBBER CONTACT (B)	1	
457(6)		VKW0878	IR WINDOW	1	
458(6)		VMT0297	BASE RUBBER(LCD)	2	
459(6)		VKM2169	BOTTOM COVER	1	
460(6)		VJR0585	ELECTRODE(+)	1	
461(6)		VJR0498	ELECTRODE(COM.)	1	
462(6)		VJR0584	ELECTRODE(-)	1	
463(6)		VKF1455	BATTERY COVER	1	
			SERVICING FIXTURES & TOOLS		
		VFJ8125H3F	VHS ALIGNMENT TAPE	1	
		VFK0335	RETAINING RING REMOVER	1	(3mm/4mm)
		VFK0387	TENSION POST ADJUSTMENT	1	
			PLATE		
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0328	H-POSITION ADJUSTMENT	1	
			SCREWDRIVER		
		VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
		VFK62	FAN TYPE TENSION GAUGE	1	
		VFK0326	HEX WRENCH SET	1	
		VFK0132	BACK TENSION METER	1	
		VFK0343	CHECK LIGHT	1	
		VFK0344	HEIGHT ADJUSTMENT JIG	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0341	UPPER CYLINDER REMOVER	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICROFARADS(uf),P=uuF.
4. The P.C.Board units marked width'▮'show below the main assembled parts.
5. Printed circuit board assembly with mark(NLA) is no longer available after discontinuation of the product.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
**********	NV-J35EG/B			
	VEP03764AB	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
				<!> (NLA) NV-J35EG
				INCLUDING THE
				SUB MAIN C.B.A.
				(VEP03765AB),
				SECAM PACK C.B.A.
				(VEP03452F),
				INPUT/OUTPUT C.B.A.
				(VEP03594B),
				TV DEMODULATOR C.B.A.
				(VEP07596C),
				CYLINDER DRIVE C.B.A.
				(VEP02329A),
				VPS C.B.A.
				(VEP07538D),
				OSC C.B.A.
				(VEP06583B).
	VEP03764AA	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
				<!> (NLA) NV-J35B
				INCLUDING THE
				SUB MAIN C.B.A.
				(VEP03765AA),
				INPUT/OUTPUT C.B.A.
				(VEP03594AD),
				TV DEMODULATOR C.B.A.
				(VEP07592B),
				CYLINDER DRIVE C.B.A.
				(VEP02329A),
				OSC C.B.A.
				(VEP06583B).
	VEP03765AB	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDING THE
				SECAM PACK C.B.A.
				(VEP03452F).
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB).
	VEP03765AA	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35B
				INCLUDED IN MAIN
				C.B.A.(VEP03764AA).
	VEP03452F	SECAM PACK C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDED IN SUB MAIN
				C.B.A.(VEP03765AB).
	VEP03594B	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB).
	VEP03594AD	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35B
				INCLUDED IN MAIN
				C.B.A.(VEP03764AA).
	VEP07596C	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB).
	VEP07592B	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35B
				INCLUDED IN MAIN
				C.B.A.(VEP03764AA).
	VEP02329A	CYLINDER DRIVE C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA)
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB/
				VEP03764AA).
	VEP07538D	VPS C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB).
	VEP06583B	OSC C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA)
				INCLUDED IN MAIN
				C.B.A.(VEP03764AB/
				VEP03764AA).
	VEP07598B	TIMER C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35EG
				INCLUDING THE
				IR RECEIVER C.B.A.
				(VEP06552A)
	VEP07598A	TIMER C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA) NV-J35B
				INCLUDING THE
				IR RECEIVER C.B.A.
				(VEP06552A)
	VEP06552A	IR RECEIVER C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA)
				INCLUDED IN TIMER
				C.B.A.(VEP07598B/
				VEP07598A).
	VEP01420AB	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
				<!> (NLA) NV-J35EG
	VEP01420AA	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
				<!> (NLA) NV-J35B
	VEP05137D	HEAD AMP C.B.A.	1	(NLA) NV-J35EG
	VEP05137A	HEAD AMP C.B.A.	1	(NLA) NV-J35B
	VEP06681A	POWER SW C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA)
	VEP00P95A	MIC JACK C.B.A.	1	[SUPPLIED FROM M.B.V]
				(NLA)
	VEP06569AC	KEY BOARD SW C.B.A.	1	
				(NLA) NV-J35EG
	VEP06569D	KEY BOARD SW C.B.A.	1	
				(NLA) NV-J35B
	VEP66125E	REMOTE CONTROL UNIT C.B.A.	1	(NLA) NV-J35EG
	VEP66125D	REMOTE CONTROL UNIT C.B.A.	1	(NLA) NV-J35B
	VXA3554	MECHANISM CONNECTION C.B.A.	1	(NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEK3578	SUPPLY PHOTO TR. C.B.A.	1	(NLA)
			TAKE-UP PHOTO TR. C.B.A.	1	(NLA)
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
					OR VEQ1043
		ENC17972A	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
		ENV87837H3	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
	■	VEP03764AB	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C324		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C354		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224BO	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C830		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C839		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C840		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C841-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C851		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C852		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853		ECEA10Z47	E.CAPACITOR 10V 47U	1	
C854		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C858		ECKF1H681KB	C.CAPACITOR 50V 680P	1	
C859		ECCF1H470JC	C.CAPACITOR 50V 47P	1	
C1001		ECEA1CK470	E.CAPACITOR 25V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2032		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2301		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2302		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2303		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2304		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2305		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2501		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2502		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2504		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2505		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2506		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2507		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2508		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2509		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3072		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3808		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3809		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C3810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3812		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C3813		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3814		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3815,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3817		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3818,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3820		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3822		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3913		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUX1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4032		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4034		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6201		ECUM1E563KBX	C.CAPACITOR CH 25V 0.056U	1	
C6801		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7407		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7431		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7801		ECQB1H102JH	P.CAPACITOR 50V 1000P	1	
C7802		ECQB1H471JH	P.CAPACITOR 50V 470P	1	
C7803		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C7804		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7806		ECQB1H333JH	P.CAPACITOR 50V 0.033U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7815		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816		ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	
C7851		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C7853,54		ECCF1H330JC	C.CAPACITOR 50V 33P	2	
C7855,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007-10		MA165	DIODE	4	
D2403		MA165	DIODE	1	
D2405,06		MA165	DIODE	2	
D2409		MA204WA	DIODE	1	
D2501		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D6801		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7672,73		MA3150H	DIODE	2	
D7851		MA165	DIODE	1	
DL803		EFDWF124A13A	DELAY	1	
F6001		VSF0077	FUSE	1	<!>
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3101		VLF0413	FILTER	1	
IC301		VEFH03D	HIC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEFH04F	P.C.BOARD	1	
IC802		M52055P	IC	1	
IC851		BA7025L	IC	1	
IC2001		MN6740VCQK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC2301		AN6561L	IC	1	
IC2302		XRA10393N	IC	1	
IC2501		CF77384NS	IC	1	
IC2502		BA6305F	IC	1	
IC3101		BA7004	IC	1	
IC3801		M52063SP	IC	1	
IC3901		LA7150	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC4001		BA7766AS	IC	1	
IC4002		UPD4066BG	IC	1	
IC6003		MN12821R	IC	1	(R)
IC6801		MN15522VMS	IC	1	
IC7801		SAA4700	IC	1	
IC7851		MN158413VSSJ	IC	1	
IC7852		MN1280S	IC	1	(S)
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
KR851		VJR0163	PACK PIN	1	
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303,04		VLQEL05F101K	COIL 100UH	2	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L311		VLQEL05F2R2K	COIL 2.2UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L820		VLQEL05F101K	COIL 100UH	1	
L821		VLQEL05F150K	COIL 15UH	1	
L822		VLQ0213K150T	COIL 15H	1	
L851		VLQEL05F101K	COIL 100UH	1	
L2002		VLP0074	COIL	1	
L2003		ELESP101KA	COIL	1	
L2101		ELESP102KA	COIL 1000UH	1	
L3001-03		ELESP101KA	COIL	3	
L3005		ELESP120KA	COIL 12UH	1	
L3006		ELESP6R8KA	COIL	1	
L3007		ELESP101KA	COIL	1	
L3008		ELESP3R3KA	COIL	1	
L3101		VLQEL05F101K	COIL 100UH	1	
L3805		VLQEL05F101K	COIL 100UH	1	
L3901		VLQEL05F1R0K	COIL 1UH	1	
L3902		VLQEL05F2R7K	COIL 2.7UH	1	
L3903		VLQEL05F1R0K	COIL 1UH	1	
L3904		VLQEL06F471K	COIL 470UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		ELESP471KA	COIL	1	
L6101		VLQEL05F101K	COIL 100UH	1	
L7401		ELESP1R0KA	COIL 1UH	1	
L7402		ELESP101KA	COIL	1	
L7403		VLP0085	FILTER	1	
L7404		ELESP1R0KA	COIL 1UH	1	
L7405		ELESP101KA	COIL	1	
P001		VJS1237T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P501		VJS2382T	CONNECTOR (FEMALE)	1	
P1001		VJS2571A013	CONNECTOR (FEMALE)	1	
P1502		VJS1141T	CONNECTOR (FEMALE)	1	
P2001		VJP1932T	CONNECTOR (MALE)	1	
P2001		VJS1932T	CONNECTOR (FEMALE)	1	
P2201		VJP1237T	CONNECTOR(MALE) 10P	1	
P2201		VJS1237T	CONNECTOR (FEMALE)	1	
P3001		VJP1931T	CONNECTOR (MALE)	1	
P3001		VJS2382T	CONNECTOR (FEMALE)	1	
P3902		VJS1469	CONNECTOR(FEMALE)	1	
P4001		VJP2622	CONNECTOR	1	
P4002		VJP1229T	CONNECTOR(MALE) 2P	1	
P4002		VJS1229T	CONNECTOR (FEMALE)	1	
P4003		VJP1231T	CONNECTOR(MALE) 4P	1	
P4003		VJS1231T	CONNECTOR (FEMALE)	1	
P6001		VJS2571A012	CONNECTOR (FEMALE)	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6202		VJS1231T	CONNECTOR (FEMALE)	1	
P7401		VJS1662	CONNECTOR (FEMALE)	1	
P7402		VJS2571A015	CONNECTOR (FEMALE)	1	
PK1		VJR0189	CONNECTOR (MALE)	1	
PK2201		VJR0452	PACK PIN	1	
PK2202		VJR0348	PACK PIN	1	
PK3901		VJR0348	PACK PIN	1	
PK3902		VJR0523	PACK PIN	1	
PK3903		VJR0348	PACK PIN	1	
PK3904		VJR0416	PACK PIN	1	
PK6101		VJR0277	PACK PIN	1	
Q301		MSB709	TRANSISTOR	1	(Q,R,S)
Q302		MSC2295	TRANSISTOR	1	(B,C)
Q303		MSC2295	TRANSISTOR	1	(B,C)
Q304		MSD601	TRANSISTOR	1	(Q,R,S)
Q703		2SD601	TRANSISTOR	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR	1	(S)
Q771		2SD601	TRANSISTOR CHIP	1	(S,T)
Q804		MSB709	TRANSISTOR	1	(Q,R,S)
Q2001		MSD601	TRANSISTOR	1	(Q,R,S)
Q2002		2SD1996	TRANSISTOR	1	(S)
Q2003		MSB709	TRANSISTOR	1	
Q2301		MSD601	TRANSISTOR	1	(Q,R,S)
Q2302,03		MSB709	TRANSISTOR	2	(Q,R,S)
Q3001		MSC2295	TRANSISTOR	1	
Q3003		MSD601	TRANSISTOR	1	
Q3004		MSB709	TRANSISTOR	1	(Q,R,S)
Q3006		MSC2295	TRANSISTOR	1	
Q3007		MSB709	TRANSISTOR	1	(Q,R,S)
Q3101		MSD601	TRANSISTOR	1	
Q4001		MSD602	TRANSISTOR	1	(R)
Q4002		2SA1309	TRANSISTOR	1	
Q6001		2SD893	TRANSISTOR	1	
Q6002,03		2SD1994	TRANSISTOR	2	(S)
Q6004		2SD1992	TRANSISTOR	1	
Q6006		2SB1321	TRANSISTOR	1	
Q6007		MSB710	TRANSISTOR	1	(R,S)
Q6008		2SD1273	TRANSISTOR	1	(P)
Q6010		2SD1991A	TRANSISTOR	1	
Q6011		MSB709	TRANSISTOR	1	
Q6101		2SC2206	TRANSISTOR	1	(B,C)
QR304		MRN1403	TRANSISTOR-RESISTOR	1	
QR701		MRN1404	TRANSISTOR-RESISTOR	1	
QR702		MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR714		MRN1402	TRANSISTOR-RESISTOR	1	
QR853		UN1213	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR1001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		DTC363EK	COMBI.TR-R	1	
QR2004		2SD1676	TRANSISTOR-RESISTOR	1	
QR2005		MRN1404	TRANSISTOR-RESISTOR	1	
QR2402,03		MRN2403	TRANSISTOR-RESISTOR	2	
QR2502		DTC363EK	COMBI.TR-R	1	
QR3004		MRN2402	TRANSISTOR-RESISTOR	1	
QR3005		MRN1404	TRANSISTOR-RESISTOR	1	
QR3008		MRN1404	TRANSISTOR-RESISTOR	1	
QR3801		MRN2404	TRANSISTOR-RESISTOR	1	
QR3802		MRN1404	TRANSISTOR-RESISTOR	1	
QR4001,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6002		UN2119	TRANSISTOR-RESISTOR	1	
QR6003		MRN2404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6007		MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR6201		MRN2404	TRANSISTOR-RESISTOR	1	
QR6202		MRN1404	TRANSISTOR-RESISTOR	1	
QR7401		MRN1402	TRANSISTOR-RESISTOR	1	
QR7851		UN1211	TRANSISTOR-RESISTOR	1	
QR7852		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R339		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R841-43		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	3	
R844,45		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R846,47		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R851		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R852		ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R853		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R854		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R855		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R856		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R858		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2033		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2035,36		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG153	M.RESISTOR CH 1/10W 15K	1	
R2108		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2301		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2302		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2303		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2304		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2306		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2307		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2308		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2309		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2310		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2311		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2312,13		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2314,15		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2316		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2402		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2403		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2501		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2503		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2504		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2505		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2506		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3027		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3812		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3813		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3814		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3815		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3816		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3817		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R3818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3819		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3820		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3821		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3822,23		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	2	
R3901		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GEYJ242	M.RESISTOR CH 1/10W 2.4K	2	
R3905		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3906		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4021		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4022		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R4048		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4049		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4051		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6202		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6203		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6204		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6205		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6206		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7801		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R7802		ER0S2CKG7502	M.RESISTOR 1/4W 75K	1	
R7803,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R7805		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R7806		ER0S2CKG3601	M.RESISTOR 1/4W 3.6K	1	
R7807		ERDS2TJ474	C.RESISTOR 1/4W 470K	1	
R7851		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7852		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7860		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2009,10		EVND1AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDRAA00B15	V.RESISTOR 100K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR3801		EVN4YCA00B14	V.RESISTOR 10K	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		ELB5A043	FILTER	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X6801		VSX0258	CRYSTAL OSC.	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
X7851		EFOA4R0M03C2	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMA6768	EARTH ANGLE	1	
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> OR VEQ1043
		VEJ0840	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!>[FOR TV DEMODU.]
		VSC2713	SHIELD(MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD(TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD(BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0776	REAR JACK	1	[SUPPLIED FROM M.B.V]

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP03764AA	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35B
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C309		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C315		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C316		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C318		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C323,24		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C341		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C342		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C343		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JZ3	F.CAPACITOR 50V 5600P	1	
C354		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C706		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C708		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C717-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C801,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C803		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C804,05		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C806		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C807,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C810		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C811		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C812		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C813		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C839		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C840		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C841-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C1001		ECEA1CK470	E.CAPACITOR 25V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2032		ECEA1HKN010	E.CAPACITOR 50V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2301		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2302		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2303		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2304		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2305		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2501		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2502		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2504		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2505		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2506		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2507		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2508		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2509		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3027		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3808		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3809		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C3810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3812		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C3813		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3814		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3815,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3817		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3818,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3820		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3822		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3916		ECUX1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4011		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4014		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4032		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4033		ECQB1H102JH	P.CAPACITOR 50V 1000P	1	
C4034		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4036		ECUX1H681JN	C.CAPACITOR CH 50V 680P	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6201		ECUM1E563KBX	C.CAPACITOR CH 25V 0.056U	1	
C6801		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7408		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H392JH	P.CAPACITOR 50V 3900P	1	
C7654		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7655,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7657		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7658		ECQP1H562JZ	P.CAPACITOR 50V 5600P	1	
C7659		ECQB1H272JH	P.CAPACITOR 50V 2700P	1	
C7661		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7662		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C7663		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C7664		ECQB1H273JH	P.CAPACITOR 50V 0.027U	1	
C7665,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7667		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7675		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C7676,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7678		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7680		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7681,82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		MA151K	DIODE	1	
D805		MA165	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007-10		MA165	DIODE	4	
D2403		MA165	DIODE	1	
D2405,06		MA165	DIODE	2	
D2407		MA204WK	DIODE	1	
D2409		MA204WA	DIODE	1	
D2501		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D6801		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7601		MA151A	DIODE	1	
D7602		MA3082M	DIODE	1	
DL801		VLD0089	DELAY	1	
DL803		EFDWF124A13A	DELAY	1	
F6001		VSF0077	FUSE	1	<!>
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
IC301		VEFH03D	HIC	1	
IC302		AN3495K	IC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEFH04F	P.C.BOARD	1	
IC802		M52055P	IC	1	
IC2001		MN6740VCQK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC2301		AN6561L	IC	1	
IC2302		XRA10393N	IC	1	
IC2501		CF77384NS	IC	1	
IC2502		BA6305F	IC	1	
IC3101		BA7004	IC	1	
IC3801		M52063SP	IC	1	
IC3901		LA7150	IC	1	
IC4001		BA7766AS	IC	1	
IC4002		UPD4066BG	IC	1	
IC6003		MN12821R	IC	1	(R)
IC6801		MN15522VMS	IC	1	
IC7651		AN5421	IC	1	
IC7652		AN5043	IC	1	
IC7653		MN4066BS	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303		VLQEL05F101K	COIL 100UH	1	
L304		VLQEL05F121K	COIL 120UH	1	
L305		VLQEL05F680K	COIL 68UH	1	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L701		ELESP680KA	COIL 68UH	1	
L713,14		VLQ0305J1R2	COIL 1.2UH	2	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP150KA	COIL 15UH	1	
L720		ELESP680KA	COIL 68UH	1	
L801		VLQEL05F101K	COIL 100UH	1	
L802,03		VLQEL05F150K	COIL 15UH	2	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L820		VLQEL05F101K	COIL 100UH	1	
L821		VLQEL05F150K	COIL 15UH	1	
L822		VLQ0213K150T	COIL 15H	1	
L2002		VLP0074	COIL	1	
L2003		ELESP101KA	COIL	1	
L2101		ELESP102KA	COIL 1000UH	1	
L3001-03		ELESP101KA	COIL	3	
L3005		ELESP120KA	COIL 12UH	1	
L3006		ELESP6R8KA	COIL	1	
L3007		ELESP101KA	COIL	1	
L3008		ELESP3R3KA	COIL	1	
L3011		ELESP5R6KA	COIL H	1	
L3101		VLQEL05F101K	COIL 100UH	1	
L3805		VLQEL05F101K	COIL 100UH	1	
L3901		VLQEL05F1R0K	COIL 1UH	1	
L3902		VLQEL05F2R7K	COIL 2.7UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		ELESP471KA	COIL	1	
L6101		VLQEL05F101K	COIL 100UH	1	
L7401		ELESP1R0KA	COIL 1UH	1	
L7402		ELESP101KA	COIL	1	
L7404		ELESP1R0KA	COIL 1UH	1	
P001		VJS1237T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	
P501		VJS2382T	CONNECTOR (FEMALE)	1	
P1001		VJS2571A013	CONNECTOR (FEMALE)	1	
P1502		VJS1141T	CONNECTOR (FEMALE)	1	
P2001		VJP1932T	CONNECTOR (MALE)	1	
P2001		VJS1932T	CONNECTOR (FEMALE)	1	
P2201		VJP1237T	CONNECTOR(MALE) 10P	1	
P2201		VJS1237T	CONNECTOR (FEMALE)	1	
P3001		VJP1931T	CONNECTOR (MALE)	1	
P3001		VJS2382T	CONNECTOR (FEMALE)	1	
P3902		VJS1469	CONNECTOR(FEMALE)	1	
P4001		VJP2622	CONNECTOR	1	
P4002		VJP1229T	CONNECTOR(MALE) 2P	1	
P4002		VJS1229T	CONNECTOR (FEMALE)	1	
P4003		VJP1231T	CONNECTOR(MALE) 4P	1	
P4003		VJS1231T	CONNECTOR (FEMALE)	1	
P6001		VJS2571A012	CONNECTOR (FEMALE)	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6202		VJS1231T	CONNECTOR (FEMALE)	1	
P7401		VJS1662	CONNECTOR (FEMALE)	1	
P7402		VJS2571A015	CONNECTOR (FEMALE)	1	
PK701		VJR0231	PACK PIN	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
PK702,03		VJR0406	PACK PIN	2	
PK704		VJR0231	PACK PIN	1	
PK2201		VJR0452	PACK PIN	1	
PK2202		VJR0348	PACK PIN	1	
PK3901		VJR0348	PACK PIN	1	
PK3902		VJR0523	PACK PIN	1	
PK3903		VJR0348	PACK PIN	1	
PK3904		VJR0416	PACK PIN	1	
PK6101		VJR0277	PACK PIN	1	
Q301		MSB709	TRANSISTOR	1	(Q,R,S)
Q302		MSC2295	TRANSISTOR	1	(B,C)
Q303		MSC2295	TRANSISTOR	1	(B,C)
Q304		MSD601	TRANSISTOR	1	(Q,R,S)
Q703		2SD601	TRANSISTOR	1	(S,T)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR CHIP	1	(S,T)
Q771		2SD601	TRANSISTOR	1	(S,T)
Q772		2SD601	TRANSISTOR CHIP	1	(S,T)
Q801		MSD601	TRANSISTOR	1	(Q,R,S)
Q802		MSC2295	TRANSISTOR	1	(B,C)
Q804		MSB709	TRANSISTOR	1	(Q,R,S)
Q2001		MSD601	TRANSISTOR	1	(Q,R,S)
Q2002		2SD1996	TRANSISTOR	1	(S)
Q2003		MSB709	TRANSISTOR	1	
Q2301		MSD601	TRANSISTOR	1	(Q,R,S)
Q2302,03		MSB709	TRANSISTOR	2	(Q,R,S)
Q3001		MSC2295	TRANSISTOR	1	
Q3003		MSD601	TRANSISTOR	1	
Q3004		MSB709	TRANSISTOR	1	(Q,R,S)
Q3006		MSC2295	TRANSISTOR	1	
Q3007		MSB709	TRANSISTOR	1	(Q,R,S)
Q3101		MSD601	TRANSISTOR	1	
Q4001		MSD602	TRANSISTOR	1	(R)
Q4002		2SA1309	TRANSISTOR	1	
Q6001		2SD893	TRANSISTOR	1	
Q6002,03		2SD1994	TRANSISTOR	2	(S)
Q6004		2SD1992	TRANSISTOR	1	
Q6006		2SB1321	TRANSISTOR	1	
Q6007		MSB710	TRANSISTOR	1	(R,S)
Q6008		2SD1273	TRANSISTOR	1	(P)
Q6010		2SD1991A	TRANSISTOR	1	
Q6011		MSB709	TRANSISTOR	1	
Q6101		2SC2206	TRANSISTOR	1	(B,C)
QR301		MRN1403	TRANSISTOR-RESISTOR	1	
QR302-04		MRN1403	TRANSISTOR-RESISTOR	3	
QR701,02		UN2213	TRANSISTOR-RESISTOR	2	
QR713		UN2211	TRANSISTOR-RESISTOR	1	
QR801		MRN1403	TRANSISTOR-RESISTOR	1	
QR1001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		DTC363EK	COMBI.TR-R	1	
QR2004		2SD1676	TRANSISTOR-RESISTOR	1	
QR2005		MRN1404	TRANSISTOR-RESISTOR	1	
QR2402,03		MRN2403	TRANSISTOR-RESISTOR	2	
QR2405		MRN1404	TRANSISTOR-RESISTOR	1	
QR2502		DTC363EK	COMBI.TR-R	1	
QR3004		MRN2402	TRANSISTOR-RESISTOR	1	
QR3005		MRN1404	TRANSISTOR-RESISTOR	1	
QR3006,07		DTC363EK	COMBI.TR-R	2	
QR3008		MRN1403	TRANSISTOR-RESISTOR	1	
QR3010		MRN1404	TRANSISTOR-RESISTOR	1	
QR3801		MRN2404	TRANSISTOR-RESISTOR	1	
QR3802		MRN1404	TRANSISTOR-RESISTOR	1	
QR4001,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6002		UN2119	TRANSISTOR-RESISTOR	1	
QR6003		MRN2404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6006		MRN1404	TRANSISTOR-RESISTOR	1	
QR6007		MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12		MRN1403	TRANSISTOR-RESISTOR	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR6201		MRN2404	TRANSISTOR-RESISTOR	1	
QR6202		MRN1404	TRANSISTOR-RESISTOR	1	
QR7401		MRN1402	TRANSISTOR-RESISTOR	1	
QR7499		MRN1403	TRANSISTOR-RESISTOR	1	
QR7601		MRN1404	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R312		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R313		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R314		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R315		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R318		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R319		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R716		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R720		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R721		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R751		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R756		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R757,58		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R801		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R802		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R803,04		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R805,06		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R807		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R808		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R809		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R810		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R827		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R828		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R841-43		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	3	
R844,45		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R846,47		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2033		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2035,36		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG153	M.RESISTOR CH 1/10W 15K	1	
R2108		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2301		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2302		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2303		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2304		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2306		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2307		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2308		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2309		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2310		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2311		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2312,13		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2314,15		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2316		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2402		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2403		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2501		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2503		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2504		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2505		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2506		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3027		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3057		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3060		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3091		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3812		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3813		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3814		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3815		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3816		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3819		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3820		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3821		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3822,23		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	2	
R3901		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GEYJ242	M.RESISTOR CH 1/10W 2.4K	2	
R3905		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3906		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4015		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4021		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4022		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4048		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4049		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R4051		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6046		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6202		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6203		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6204		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6205		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6206		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7401		ERDS2TJ153	C.RESISTOR 1/4W 15K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7563		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7651		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7654		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7655		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7656		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R7657		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7658		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7659		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7661		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7662		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7664		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7671,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7673		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7674		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7675		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7677		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7678		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7679		ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R7680		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7681,82		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7683		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7684		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7691		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7692		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7694		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7695		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7696		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
T703		EIV5EC005A	TRANSFORMER	1	
T704		EIV5EC007A	TRANSFORMER	1	
T711		EIS5EC008A	TRANSFORMER	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
VR301		EVNDRAA00B24	V.RESISTOR 20K	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701		EVNDRAA00B23	V.RESISTOR 2K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR801		EVN4YCA00B52	V.RESISTOR 500	1	
VR802		EVN4YCA00B13	V.RESISTOR 1K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2009,10		EVND1AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDRAA00B15	V.RESISTOR 100K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR3013		EVNDRAA00B52	V.RESISTOR 500	1	
VR3801		EVN4YCA00B14	V.RESISTOR 10K	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
VR7660		EVM4LGA00B23	V.RESISTOR 2K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH39MGP1	CRYSTAL OSCILLATOR	1	
X711		EFCS6R0MW5	CRYSTAL OSCILLATOR	1	
X712		EFCS6R0MS5	CRYSTAL OSCILLATOR	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X6801		VSX0258	CRYSTAL OSC.	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMA6768	EARTH ANGLE	1	
		ENC17972A	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!>
		VEJ0839	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV87837H3	TUNER	1	[SUPPLIED FROM M.B.V]

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					<!> [FOR TV DEMODU.]
		VSC2712	SHIELD CASE (TOP)	1	[FOR TV DEMODU.]
		VSC2713	SHIELD CASE (MAIN)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD CASE (BOTTOM)	1	[FOR TV DEMODU.]
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP07598B	TIMER C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
			CAPACITORS		
C6701		ECEA0JK470I	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H331KBA	C.CAPACITOR 50V 330P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7510		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7525		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C7551		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA4068	DIODE	1	
D7504		MA165	DIODE	1	
D7507		MA165	DIODE	1	
D7510,11		MA165	DIODE	2	
D7513		MA165	DIODE	1	
D7516		MA165	DIODE	1	
D7530		MA165	DIODE	1	
D7532-35		MA165	DIODE	4	
D7537-41		MA165	DIODE	5	
D7554,55		LN28RCPL	DIODE	2	
D7556		LN38GCPL	DIODE	1	
DP7501		VSL0148	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	(S)
L7501		VLQEL05F221K	COIL 220UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7501		VJS1492	CONNECTOR(FEMALE)	1	
P7502		VJS2651B015	CONNECTOR (FEMALE)	1	
P7505		VJS2357A015	CONNECTOR (FEMALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7525		UN2216	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R7504		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7512		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R7523-27		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	5	
R7530-32		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7535		ERDS1TJ5R1	C.RESISTOR 1/2W 5.1	1	
R7538		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7544		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7546		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7552-54		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	3	
R7555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7561,62		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0704	FIP HOLDER	1	
		VSC2671	SHIELD(MAIN)	1	(FOR IR RECEIVER)
		VSC2672	SHIELD(BOTTOM)	1	(FOR IR RECEIVER)
	■	VEP07598A	TIMER C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
			CAPACITORS		
C6701		ECEA0JK470I	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H331KBA	C.CAPACITOR 50V 330P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7510		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7525		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C7551		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA4068	DIODE	1	
D7502		MA165	DIODE	1	
D7507,08		MA165	DIODE	2	
D7510,11		MA165	DIODE	2	
D7513		MA165	DIODE	1	
D7516,17		MA165	DIODE	2	
D7530		MA165	DIODE	1	
D7532-35		MA165	DIODE	4	
D7537-41		MA165	DIODE	5	
D7554,55		LN28RCPL	DIODE	2	
D7556		LN38GCPL	DIODE	1	
DP7501		VSL0148	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	(S)
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS1492	CONNECTOR(FEMALE)	1	
P7502		VJS2651B015	CONNECTOR (FEMALE)	1	
P7505		VJS2357A015	CONNECTOR (FEMALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7525		UN2216	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R7504		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7512		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R7523-27		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	5	
R7530-32		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7535		ERDS1TJ5R1	C.RESISTOR 1/2W 5.1	1	
R7538		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7544		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7546		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7552-54		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	3	
R7555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7563		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0704	FIP HOLDER	1	
		VSC2671	SHIELD(MAIN)	1	(FOR IR RECECVER)
		VSC2672	SHIELD(BOTTOM)	1	(FOR IR RECECVER)
	■	VEP01420AB	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35EG
			CAPACITORS		
C1101		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	<!>
C1102		ECQU2A104MN	P.CAPACITOR 100V 0.01U	1	<!>
C1108		ECOS2GU820B	C.CAPACITOR 400V 82P	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1113		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1114		ECA1CXLV470	E.CAPACITOR	1	
C1115		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1117		ECQP1101JZ	P.CAPACITOR 100V 100P	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DFZ681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECEA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1137		ECQV1H223JS	P.CAPACITOR 50V 0.022U	1	
C1142		VCC0021	CAPACITOR	1	<!>
C1145		VCC0021	CAPACITOR	1	<!>
C1147		VCC0022	C.CAPACITOR 1000P	1	<!>
D1102		S1WBA60	DIODE	1	<!>
D1103		VSD0002	DIODE	1	<!>
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4039	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		RL2ZP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		11EQS04	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC1101		STRD1816	IC	1	<!>
IC1102		STK5392	IC	1	
K1115		WJP0002T		1	#K
L1101,02		ELF18D290A	FILTER	2	<!>
L1103		VLQ0335	COIL H	1	
L1104-07		VLP0085	FILTER	4	
P1101		VJS2651B013W	CONNECTOR (FEMALE)	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	<!>
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	<!>
R1102,03		ERDS1TJ823	C.RESISTOR 1/2W 82K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1108		ERD2FTVG182	C.RESISTOR 1/4W 1.8K	1	<!>
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG2SJ181	M.RESISTOR 2W 180	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1118		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R1123,24		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1125		ERW1PK2R2	WIRE WOUND 2W 2.2	1	
T1101		VLT0571	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJP0318	FUSE HOLDER	2	<!>
		VMZ1183	CAPACITOR COVER	1	<!>
		VMZ1608	CAPACITOR COVER	1	<!>
	■	VEP01420AA	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35B
			CAPACITORS		
C1101		ECQU2A563MNB	P.CAPACITOR 100V 0.056U	1	<!>
C1102		ECQU2A333MNB	P.CAPACITOR 100V 0.033U	1	<!>
C1108		ECOS2GU820B	C.CAPACITOR 400V 82P	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1113		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1114		ECA1CXLV470	E.CAPACITOR	1	
C1115		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1117		ECQP1101JZ	P.CAPACITOR 100V 100P	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DFZ681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECEA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1137		ECQV1H223JS	P.CAPACITOR 50V 0.022U	1	
C1142		VCC0019	C.CAPACITOR 330P	1	<!>
C1145		VCC0019	C.CAPACITOR 330P	1	<!>
C1147		VCC0022	C.CAPACITOR 1000P	1	<!>
D1101		SNR-300K4	SURGE ABSORBER	1	<!>
D1102		S1WBA60	DIODE	1	<!>
D1103		VSD0002	DIODE	1	<!>
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4039	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		RL2ZP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		11EQS04	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	
IC1101		STRD1816	IC	1	<!>
IC1102		STK5392	IC	1	
K1115		WJP0002T	LEAD WIRE	1	#K
L1102		ELF18D290A	FILTER	1	<!>
L1103		VLQ0335	COIL H	1	
L1108,09		VLP0085	FILTER	2	
P1101		VJS2651B013W	CONNECTOR (FEMALE)	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	<!>
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	<!>
R1102,03		ERDS1TJ823	C.RESISTOR 1/2W 82K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1108		ERD2FTVG182	C.RESISTOR 1/4W 1.8K	1	<!>
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG2SJ181	M.RESISTOR 2W 180	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1118		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R1123,24		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1125		ERW1PK2R2	WIRE WOUND 2W 2.2	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T1101		VLT0571	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	2	<!>
		VMZ1183	CAPACITOR COVER	1	<!>
		VMZ1608	CAPACITOR COVER	1	<!>
	■	VEP05137D	HEAD AMP C.B.A.		(NLA) NV-J35EG
			CAPACITORS		
C501		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C505		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C507		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C509		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C510,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C512		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C513		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C515		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C516		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C518		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C523		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C524		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C525		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C528		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C529		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C532		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C533		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C534,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C536		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C537		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C538		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C539		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C540		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C541		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C542		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
IC501		BA7274S	IC	1	
L501		VLQEL05F101K	COIL 100UH	1	
L503		VLQEL05F270K	COIL 27UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQEL05F820K	COIL 82UH	1	
L506		VLQEL05F151K	COIL 150UH	1	
P002		VJS1449	CONNECTOR(FEMALE)	1	
P501		VJP1931T	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q502		2SC2295	TRANSISTOR	1	
QR501		DTC363EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R501		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R502		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R503		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R504		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R506		ERJ6GMYJ204	M.RESISTOR CH 1/10W 200K	1	
R507		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R508		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R510		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R512		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R513		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R515		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R518		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R519		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R523		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R524		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R525		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R526		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R527		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R528		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R529		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R530		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R531		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R532		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R533		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R534-36		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	3	
VR501		EVND1AA00B23	V.RESISTOR 2K	1	
VR502		EVND1AA00B13	V.RESISTOR 1K	1	
			MISCELLANEOUS		
		VSC2353	SHIELD(TOP)	1	
		VSC2355	SHIELD(BOTTOM)	1	
		VSC2354	SHIELD(MAIN)	1	
	■	VEP05137A	HEAD AMP C.B.A.		(NLA) NV-J35B
			CAPACITORS		
C501		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C505		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C507		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C509		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C510,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C512		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C513		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C515		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C516		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C518		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C522		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C523		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C524		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C525		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C526		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C527		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C528		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C529		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C532		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C533		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C534,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C536		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C537		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C538		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C539		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C540		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C541		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C542		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
IC501		BA7274S	IC	1	
L501		VLQEL05F101K	COIL 100UH	1	
L503		VLQEL05F270K	COIL 27UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQEL05F820K	COIL 82UH	1	
L506		VLQEL05F151K	COIL 150UH	1	
P002		VJS1449	CONNECTOR(FEMALE)	1	
P501		VJP1931T	CONNECTOR (MALE)	1	
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q502		2SC2295	TRANSISTOR	1	
QR501		DTC363EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R501		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R502		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R503		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R504		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R506		ERJ6GMYJ204	M.RESISTOR CH 1/10W 200K	1	
R507		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R508		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R510		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R512		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R513		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R515		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R518		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R519,20		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	2	
R523		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R524		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R525		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R526		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R527		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R528		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R529		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R530		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R531		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R532		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R533		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R534-36		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	3	
VR501		EVND1AA00B23	V.RESISTOR 2K	1	
VR502		EVND1AA00B13	V.RESISTOR 1K	1	
			MISCELLANEOUS		
		VSC2353	SHIELD(TOP)	1	
		VSC2355	SHIELD(BOTTOM)	1	
		VSC2354	SHIELD(MAIN)	1	
	■	VEP06681A	POWER SW C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA)
			CAPACITORS		
C4301		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4302,03		ECEA1CKS470	E.CAPACITOR 16V 47U	2	
C4304		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
D6201		LN28RCPPU	DIODE	1	
D6202,03		MA165	DIODE	2	
J4301		VJJ0281		1	#J
P6201		VJS2649	CONNECTOR	1	
P6202		VJP1244T	CONNECTOR(MALE) 4P	1	
PP6201		VJP2648	CONNECTOR (MALE)	1	
PS4301		VJS2648	CONNECTOR (FEMALE)	1	
Q4301		2SC2405	TRANSISTOR	1	
Q4302		2SA1034	TRANSISTOR	1	
			RESISTORS		
R4301		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4302		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R4303		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4304		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4306		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4307,08		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4309		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6201		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6203		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6205		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
SW6201		VSS0187	SWITCH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW6203		EVQ11407K	SWITCH	1	
SW6204		VSS0236	SWITCH	1	
VR3004		EWAKFKXB3B24	V.RESISTOR 20K	1	
VR3013		EVNDRAA00B52	V.RESISTOR 500	1	
			MISCELLANEOUS		
		VGU4537	SWITCH KNOB	2	
		VMD0504	LED HOLDER	1	
	■	VEP00P95A	MIC JACK C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA)
			CAPACITORS		
C4301		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4302,03		ECEA1CKS470	E.CAPACITOR 16V 47U	2	
C4304		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
J4301		VJJ0281		1	#J
PS4301		VJS2648	CONNECTOR (FEMALE)	1	
Q4301		2SC2405	TRANSISTOR	1	
Q4302		2SA1034	TRANSISTOR	1	
			RESISTORS		
R4301		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4302		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R4303		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4304		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4306		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4307,08		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4309		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
		VEP06569AC	KEY BOARD SW C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
		VEP06569D	KEY BOARD SW C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
			CONNECTOR		
P6501		VJS2357B015	CONNECTOR(FEMALE)	1	
			SWITCHES		
SW6502-07		EVQ11404M	SWITCH	6	
SW6509		EVQ11404M	SWITCH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW6510		EVQ11404M	SWITCH	1	NV-J35B
SW6511-28		EVQ11404M	SWITCH	18	
			MISCELLANEOUS		
		VWJ15UG065BB	FLAT CABLE	1	
	■	VEP66125E	REMOTE CONTROL UNIT C.B.A.		(NLA) NV-J35EG
C6801		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C6802		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6803		ECEV1CFN4R7	E.CAPACITOR 16V 4.7U	1	
C6804		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6808,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6810		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6811		ECUM1H223ZFN	C.CAPACITOR 50V 0.022U	1	
C6812		ECUM1E154ZFM	C.CAPACITOR 25V 0.15U	1	
D6801		SE303ACYTF	DIODE	1	
D6803-11		MA221	DIODE	9	
D6813		MA221	DIODE	1	
D6817		MA221	DIODE	1	
IC6801		MN158455VSSD	IC	1	
IC6802		AN8356S	IC	1	
L6801		ELT3K017B	COIL	1	
Q6801		2SD1328	TRANSISTOR	1	(R,S)
Q6802		2SB709	TRANSISTOR	1	(Q,R,S)
Q6803		2SD601	TRANSISTOR	1	(Q,R,S)
QR6803		DTC144TK	TRANSISTOR-RESISTOR	1	
R6802,03		ERJ6GMYJ474	M.RESISTOR CH1/10W 470K	2	
R6804		ERJ6GMYJ394	M.RESISTOR CH1/10W 390K	1	
R6805		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6806		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6807		ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R6808		ERJ6GMYJ824	M.RESISTOR CH1/10W 820K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6812		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6813		ERJ6GMYJ6R8	M.RESISTOR CH1/10W 6.8	1	
R6814,15		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6816		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R6817		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
SN6801		VSQ0567	PHOTO DETECTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR6801		EVNDXAA00B34	V.RESISTOR 30K	1	
X6801		EF0GC3524T4	CRYSTAL OSCILLATOR	1	
X6802		EFBAL30D401K	BUZZER	1	
			MISCELLANEOUS		
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VEP66125D	REMOTE CONTROL UNIT C.B.A.		(NLA) NV-J35B
C6801		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C6802		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6803		ECEV1CFN4R7	E.CAPACITOR 16V 4.7U	1	
C6804		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6808,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6810		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6811		ECUM1H223ZFN	C.CAPACITOR 50V 0.022U	1	
C6812		ECUM1E154ZFM	C.CAPACITOR 25V 0.15U	1	
D6801		SE303ACYTF	DIODE	1	
D6803-12		MA221	DIODE	10	
D6817		MA221	DIODE	1	
IC6801		MN158455VSSD	IC	1	
IC6802		AN8356S	IC	1	
L6801		ELT3K017B	COIL	1	
Q6801		2SD1328	TRANSISTOR	1	(R,S)
Q6802		2SB709	TRANSISTOR	1	(Q,R,S)
Q6803		2SD601	TRANSISTOR	1	(Q,R,S)
QR6803		DTC144TK	TRANSISTOR-RESISTOR	1	
R6802,03		ERJ6GMYJ474	M.RESISTOR CH1/10W 470K	2	
R6804		ERJ6GMYJ394	M.RESISTOR CH1/10W 390K	1	
R6805		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6806		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6807		ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R6808		ERJ6GMYJ824	M.RESISTOR CH1/10W 820K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6812		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6813		ERJ6GMYJ6R8	M.RESISTOR CH1/10W 6.8	1	
R6814,15		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6816		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R6817		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SN6801		VSQ0567	PHOTO DETECTOR	1	
VR6801		EVNDXAA00B34	V.RESISTOR 30K	1	
X6801		EF0GC3524T4	CRYSTAL OSCILLATOR	1	
X6802		EFBAL30D401K	BUZZER	1	
			MISCELLANEOUS		
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VXA3554	MECHANISM CONNECTION C.B.A.		(NLA)
D1501		GL450	LED	1	
IC1501		ON2170	IC	1	
R1501,02		ERJ8GCYJ223	CHIP 1/8W 22K	2	
P1504		VJS2342W	CONNECTOR 13P	1	
P1505		VJP1242T	CONNECTOR 2P	1	
			MISCELLANEOUS		
		VMA7844	REINFORCEMENT PLATE(F)	1	
		VMA7845	REINFORCEMENT PLATE(R)	1	
		VES0489	SAFETY SW	1	
		VMB2020	EARTH SPRING	1	
		VMD0911	LED HOLDER	1	
		VSS0175	MODE SW	1	
	■	VEK3578	SUPPLY PHOTO Tr. C.B.A.		(NLA)
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	
			TAKE-UP PHOTO Tr. C.B.A.		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1503		VJS2165W	CONNECTOR 6P	1	
Q1502		PN150NVS	TRANSISTOR	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	

ORDER NO. VRD9001M103

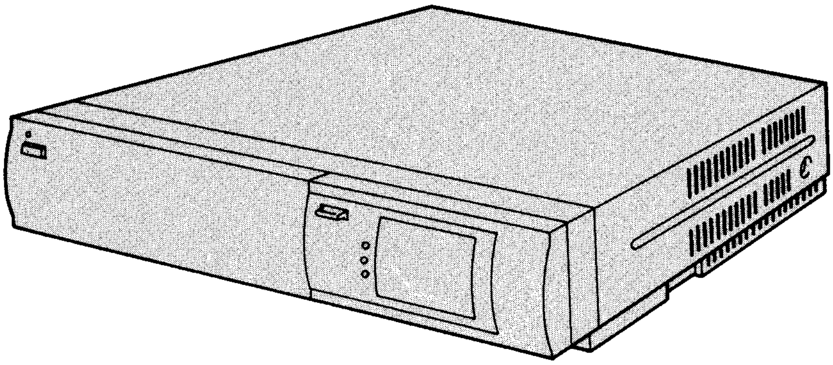
Service Manual

Video Cassette Recorder

Panasonic VHS PAL HQ

NV-J35EG B

General Description
Adjustment Procedures
Block / Schematic Diagrams
Exploded Views / Parts List



SPECIFICATIONS

ITEM	SPECIFICATION	
POWER	SOURCE: 220V 50/60Hz (NV-J35EG) 240V 50/60Hz (NV-J35B)	
	CONSUMPTION: 22W	
RECORDING SYSTEM	2 rotary heads, helical scanning system	
	PAL	
TV TUNER SYSTEM	NV-J35EG	VHF I : CHE2~CHE4 VHF III: CHS4~CHE12 VHF H: CHS11~CHS20 (PAL/SECAM B) 75Ω unbalanced UHF: CH21~CH69 (PAL/SECAM G) 75Ω unbalanced
	NV-J35B	UHF: CH21~CH69 (PAL I) 75Ω unbalanced
RF OUT SYSTEM	UHF: CH36±4 (PAL/SECAM G) 73^{+2}_{-3} dBμ, 75Ω terminated (NV-J35EG) UHF: CH36±4 (PAL I) 73±3dBμ, 75Ω terminated (NV-J35B)	
VIDEO	HEADS: 4 rotary heads 1 pair for recording, playback (L-R heads) 1 pc. for trick play (L′-R′ heads)	
	INPUT: VIDEO IN Connector (BNC type) 1.0Vp-p, 75Ω terminated EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated	
	OUTPUT: EURO AV Connector (21 pin) 1.0Vp-p, 75Ω terminated	

ITEM	SPECIFICATION
AUDIO	HEAD: 1 Stationary head (Normal Audio)
	INPUT: AUDIO IN Connector (Phono type) More than −10dBV (316mV), more than 50kΩ EURO AV Connector (21 pin) More than −10dBV (316mV), more than 10kΩ MICROPHONE JACK 70dBV
	OUTPUT: EURO AV Connector (21 pin) −6dBV (500mV), Less than 1kΩ
TAPE FORMAT	VHS Cassette tape (Tape width 12.7mm)
TAPE SPEED	SP: 23.39mm/s LP: 11.695mm/s (NV-J35B) Record/Playback Time: SP: 4 hours with 240min. type tape LP: 8 hours with 240min. type tape (NV-J35B) FF/REW Time: 5.5min. with 180min. type tape
DIMENSIONS	380(W)×82(H)×356(D)mm
WEIGHT	5.0kg (NV-J35EG) 4.9kg (NV-J35B)
STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Infra-red remote controller (Build in Digital Scanner type) 1 pc. Programme sheet 1 pc. AC Mains Lead

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.
Section 1 presents you with some general information of features and controls, enabling you to become familiar with each function.
Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.
In the case of very common information relating to other models like mechanical adjustments, please refer to each service manual.
Section 3 contains block diagrams which offers you information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...
Section 4 contains exploded views and parts list.
Please place orders using the parts list and not the drawing reference numbers.
If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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REMARKS: (NV-J35EG ONLY)

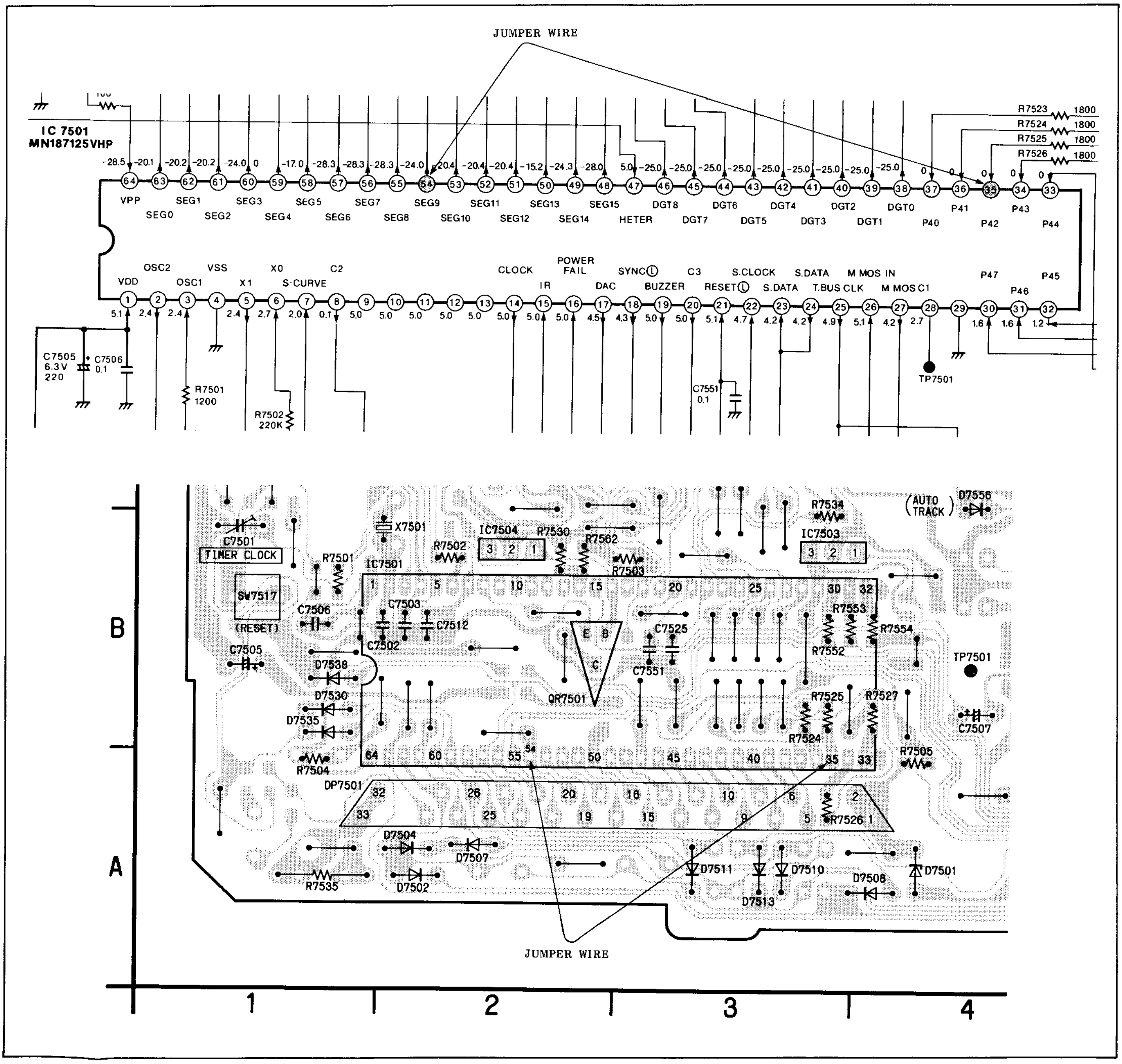
1. It is possible to receive, record and playback colour broadcasts from East Germany (DDR) on this video recorder.
2. When a video tape that was recorded with a colour TV broadcast from East Germany on this VTR is played back on a SECAM (France) or on a PAL VTR, the picture may be in black and white.
3. When a video tape recorded on a SECAM (France) VTR or a SECAM (France) pre-recorded video tape is plated back on this VTR, the picture is in black and white.

Technical Information

Please pay attention when you replace the memory IC IC7502 (MN12C261D) on Timer C.B.A.
Since the any data for new memory IC has been initialized at factory,the buzzer"on"data should be always set on the memory IC when your repairing.
The following steps must be performed after installing the new memory IC to Timer C.B.A.

Method (Contacting jumper wire on Timer C.B.A.)

1. Contact the lead wires between pin 54 and pin 35 on the Timer IC7501 twice by using jumper wire as shown below.
2. Confirm that "Beep-Beep" sound from the VTR warm you when setting any programmes.


JUMPER WIRE
IC 7501
MN187125VHP
VPP
SEG0
SEG1
SEG2
SEG3
SEG4
SEG5
SEG6
SEG7
SEG8
SEG9
SEG10
SEG11
SEG12
SEG13
SEG14
SEG15
HETER
DGT8
DGT7
DGT6
DGT5
DGT4
DGT3
DGT2
DGT1
DGT0
P40
P41
P42
P43
P44
VDD
OSC2
OSC1
VSS
X1
X0
S·CURVE
C2
CLOCK
IR
POWER FAIL
DAC
SYNC
BUZZER
C3
RESET
S.CLOCK
S.DATA
S.DATA
T.BUS CLK
M MOS IN
M MOS C1
P47
P46
P45
R7523 1800
R7524 1800
R7525 1800
R7526 1800
C7505 6.3V 220
C7506 0.1
R7501 1200
R7502 220K
C7551 0.1
TP7501
C7501
TIMER CLOCK
SW7517
(RESET)
X7501
R7502
IC7504
R7530
R7562
R7503
IC7503
R7534
(AUTO TRACK)
D7556
IC7501
C7506
C7503
C7512
C7502
C7525
C7551
QR7501
E B C
R7553
R7554
R7552
R7525
R7527
R7524
R7505
C7507
C7505
D7538
D7530
D7535
R7504
DP7501
R7526
D7504
D7507
D7502
R7535
D7511
D7513
D7510
D7508
D7501
JUMPER WIRE
B
A
1
2
3
4

SERVICE INFORMATION

1-1. HOW TO CHECK THE CRACKED CHIP PART

(1) Apply heat to the soldered portions of chip part using a soldering iron for about 2–3 seconds.
(2) If the chip part is faulty,it will be broken or cracked.

Caution: Do not leave soldering iron on the PCB too long as damage may occur to the PCB or the chip parts.

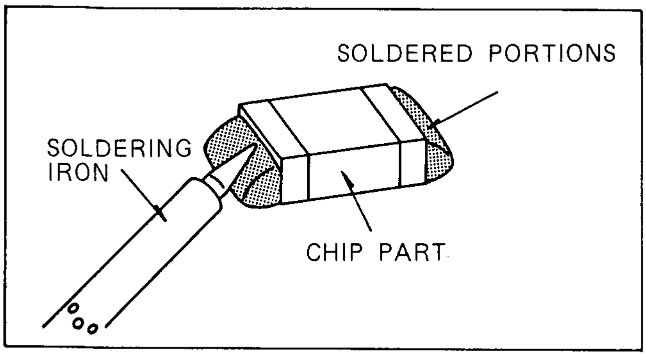

SOLDERED PORTIONS
SOLDERING IRON
CHIP PART

FIG. G1

Note: Regarding intermittent faults
The main causes of these faults are poor soldering and cracked chip parts.

1-2. HOW TO REPLACE THE CHIP PART

1) REMOVAL (RESISTOR, CAPACITOR, etc...)

(1) Presolder the one side of soldering portion for chip part and grasp the chip part by tweezers.

(2) Melt the presoldered portion. And then remove the chip part with a twisting motion while melting the soldering portion of another side quickly.

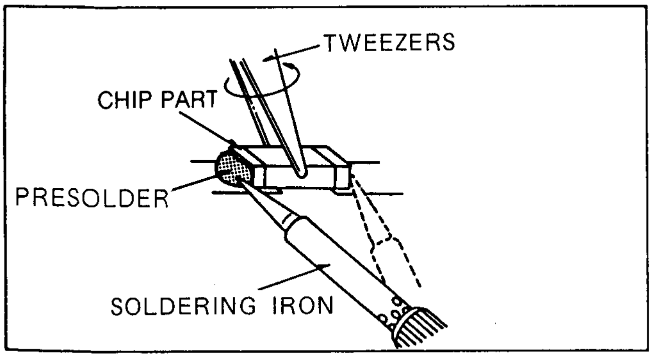

TWEEZERS
CHIP PART
PRESOLDER
SOLDERING IRON

FIG. G2

2) REMOVAL (transistor, diode, etc...)

(1) Grasp the chip part with tweezers and melt the solder of one lead.

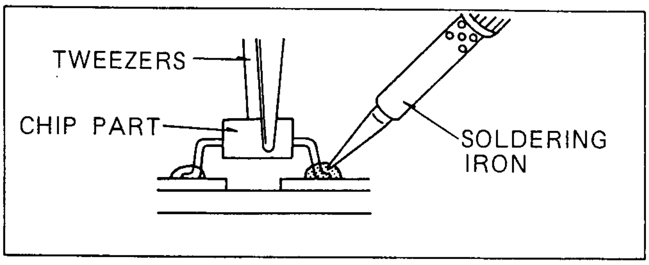

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G3

(2) Lift the side of that lead upward.

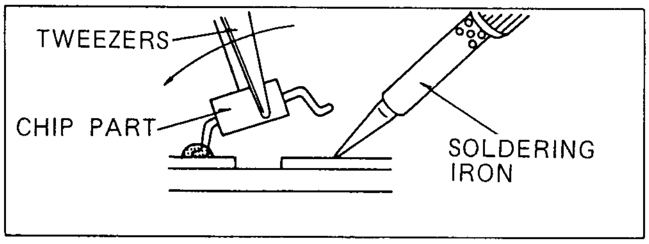

TWEEZERS
CHIP PART
SOLDERING IRON

FIG. G4

Caution: Do not lift the chip part too high as damage may occur to the PCB or the leads that are still soldered on the PCB.

(3) Simultaneously heat the solder of the two remaining leads and lift part to remove.

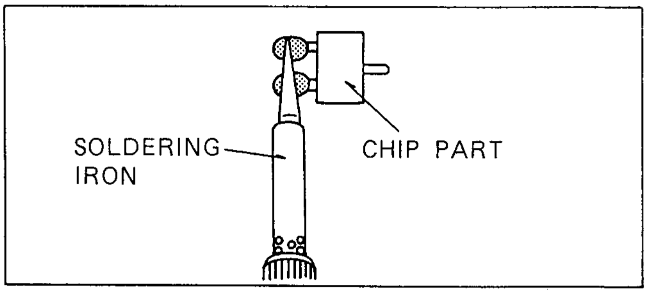

SOLDERING IRON
CHIP PART

FIG. G5

3) INSTALLATION

(1) Presolder the one side of contact point on the circuit board.

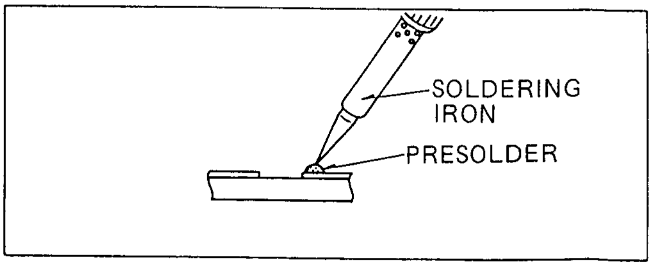

SOLDERING IRON
PRESOLDER

FIG. G6

(2) To install the chip part,hold in position using tweezers, apply heat to the pre-soldered portions using a fine tip soldering iron.
(3) Solder the other side of the chip part.
(4) Check your soldering.

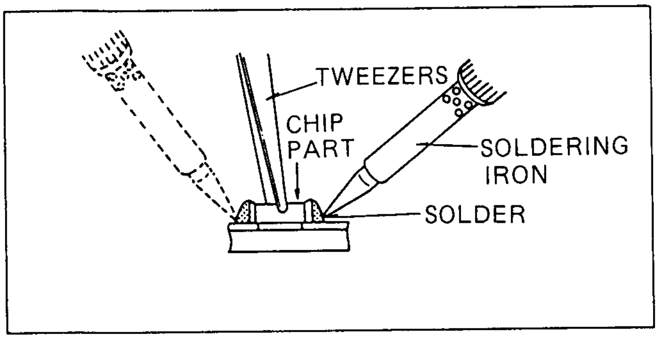

TWEEZERS
CHIP PART
SOLDERING IRON
SOLDER

FIG. G7

1-3. HOW TO REMOVE THE FLAT-IC

(WITH HOT-AIR FLAT-IC DESOLDERING MACHINE)

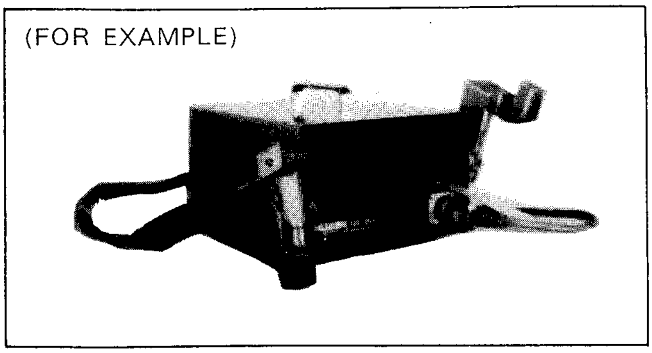

(FOR EXAMPLE)

FIG. G8

(1) Prepare the HOT-AIR FLAT-IC DESOLDERING MACHINE. And then apply hot air to FLAT-IC about 5 ~ 8 seconds.

(2) Remove the FLAT-IC with tweezers while applying the hot air.

Caution: Do not supply the hot air to the chip parts around the Flat-IC for long time as as damage may occur to the chip parts around the Flat -IC.

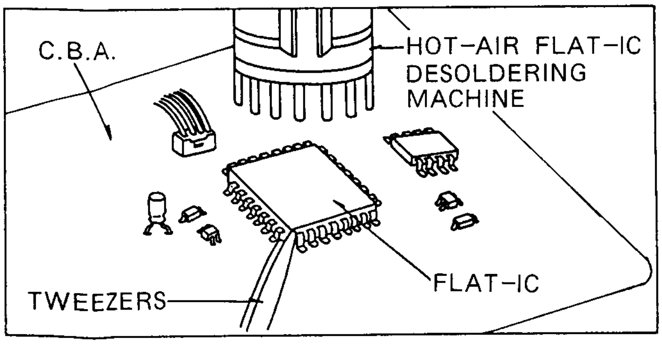

C.B.A.
HOT-AIR FLAT-IC DESOLDERING MACHINE
FLAT-IC
TWEEZERS

FIG. G9

(WITH SOLDERING IRON)

(1) Using solder braid remove the solder from all pins of the Flat-IC.
When you use the solder flux which is applied to all pins of the Flat-IC,you can remove it easily.

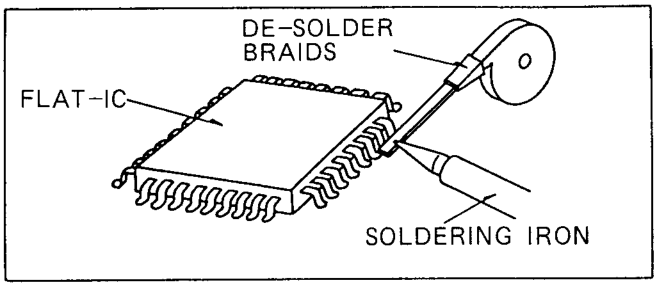

DE-SOLDER BRAIDS
FLAT-IC
SOLDERING IRON

FIG. G10

(2) Lift each lead of the Flat-IC upward one by one using a sharp pin or non solder wire(iron wire),while heating the pins using a fine tip soldering iron or a hot air blower.

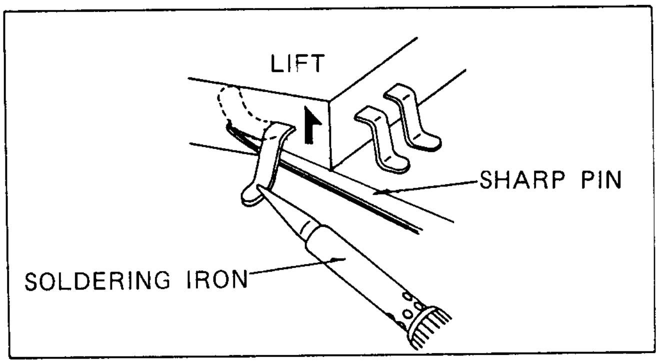

LIFT
SHARP PIN
SOLDERING IRON

FIG. G11

(WITH IRON WIRE)

(1) Affix the wire to workbench or solid mounting point as shown in FIG.G12.
(2) Pull up wire as the solder melts so as to lift the IC lead from the PCB contact pad,while heating the pins using a fine tip soldering iron or hot air blower.

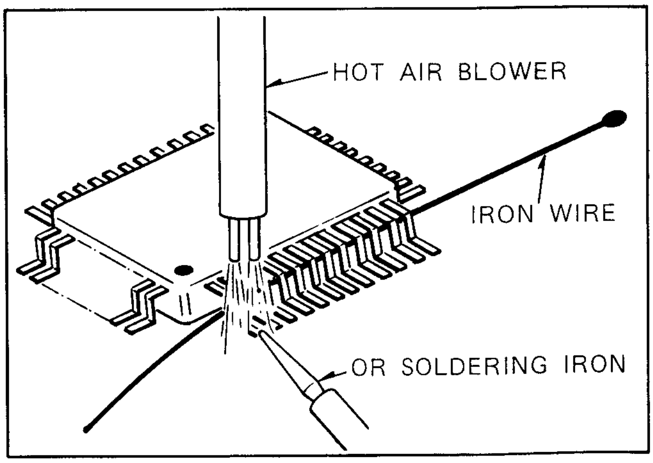

HOT AIR BLOWER
IRON WIRE
OR SOLDERING IRON

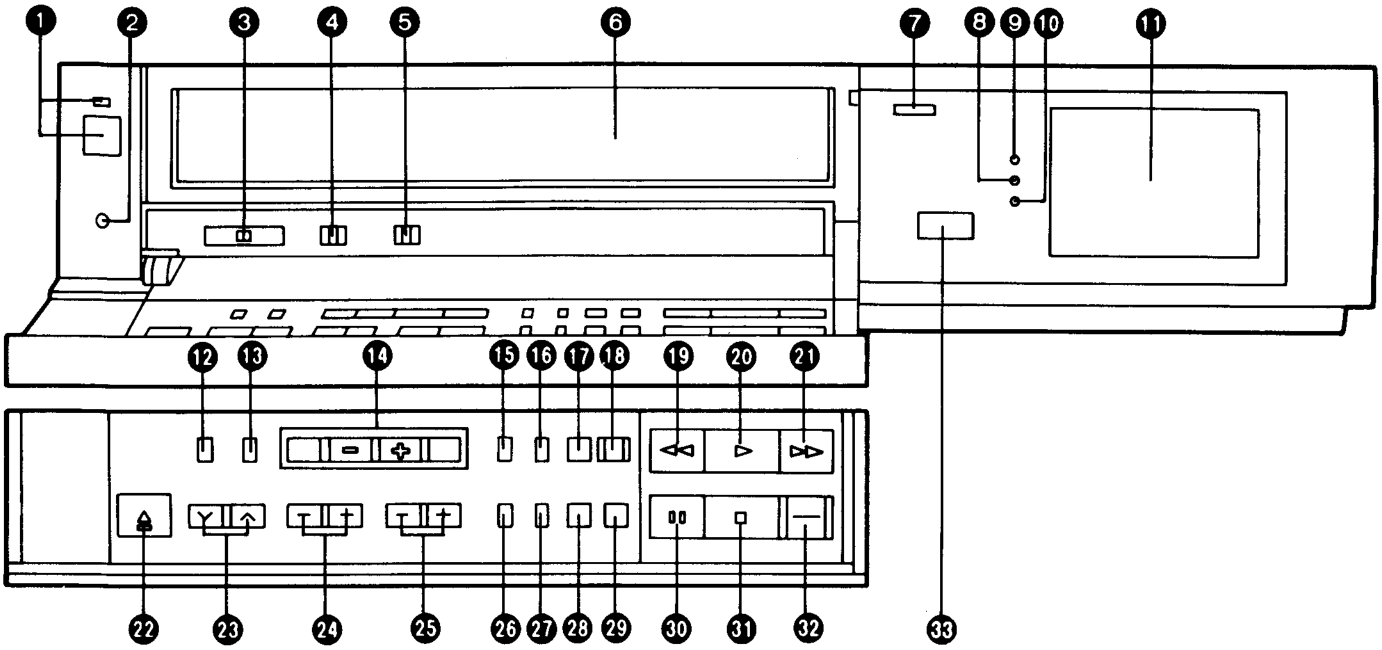
FIG.G12

Note: When using a soldering iron care must be taken to ensure that the Flat IC is not being held by glue before it is the PCB may be damaged if force is used.

SECTION 1
GENERAL DESCRIPTIONS

1-1. CONTROLS AND COMPONENTS

FRONT



① VTR On/Off Switch with Indicator

② Microphone Input Socket

③ Picture Sharpness Control

④ Noise Filter/Edit Selector

⑤ Digital Tracking Selector

⑥ Cassette Compartment

⑦ Control Panel Open Button

⑧ Audio Dubbing Indicator

⑨ Insert Editing Indicator

⑩ Digital Tracking Indicator

⑪ Multi-Function Display

⑫ Clock Button

⑬ Preset/Fine/Normal Button

⑭ Timer Controls

⑮ AFC/VPS Button (NV-J35EG)

⑯ Clear Button

⑰ Tape Speed Selector (NV-J35B)

⑱ Timer Record Button

⑲ Rewind ◀◀/Review ◀◀ Button

⑳ Play/×2 Button (▶)

㉑ Fast Forward ▶▶/Cue ▶▶ Button

㉒ Eject Button (▲)

㉓ Channel Selection Up and Down Buttons

㉔ OTR On Buttons

㉕ OTR Off Buttons

㉖ Clock/Counter Selector

㉗ Reset Button

㉘ Audio Dubbing Button

㉙ Insert Editing Button

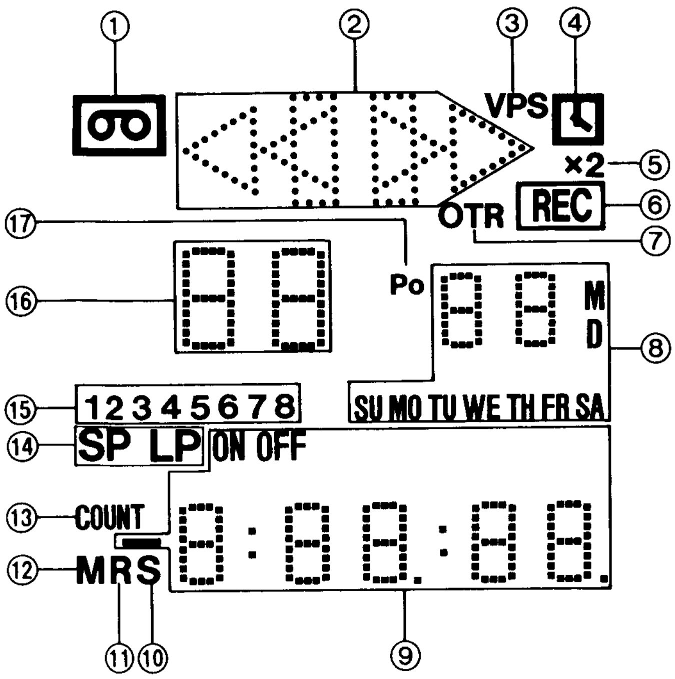
㉚ Pause/Still Button (❚❚)

㉛ Stop Button (■)

㉜ Record Button (●)

㉝ Infra-red Remote Control Receiver

Multi-Function Display


①
②
③
④
VPS
×2
⑤
⑥
REC
OTR
⑦
⑰
Po
⑯
M
D
⑧
⑮
12345678
SU MO TU WE TH FR SA
⑭
SP LP
ON OFF
⑬
COUNT
⑫
MRS
⑪
⑩
⑨

① Cassette-in Indicator

② Tape Running Display

③ VPS Indicator (NV-J35EG)

④ Timer Recording Indicator

⑤ Double Speed Indicator

⑥ Recording Indicator

⑦ OTR Indicator

⑧ Date Display

⑨ Clock/Counter Indicator

⑩ Search Indicator

⑪ Repeat Indicator

⑫ Memory Indicator

⑬ Counter Mode Indicator

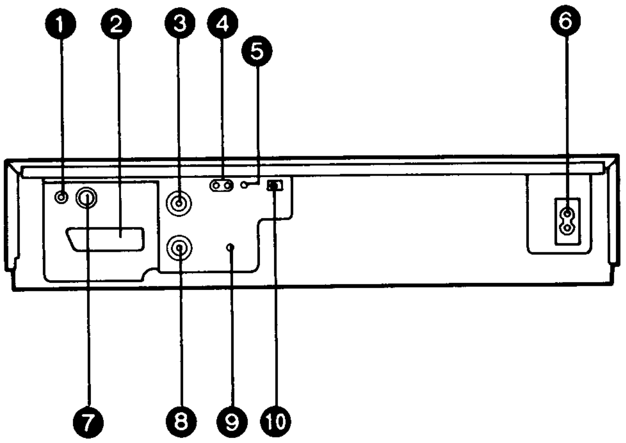
⑭ Tape Speed Indicator (NV-J35B)

⑮ Timer Programme Number

⑯ Channel Display

⑰ Position Indicator

REAR


❶
❷
❸
❹
❺
❻
❼
❽
❾
❿

❶ Audio Input Socket

❷ Euro AV Socket

❸ RF Output Socket

❹ Vertical Lock Controls

❺ Synchro Edit Socket

❻ AC Mains Lead Socket

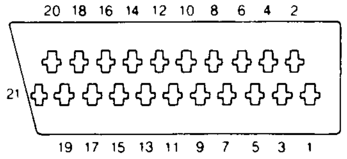
❼ Video Input Socket

❽ RF Input Socket

❾ Video Playback Channel Selector

❿ Test Signal Switch

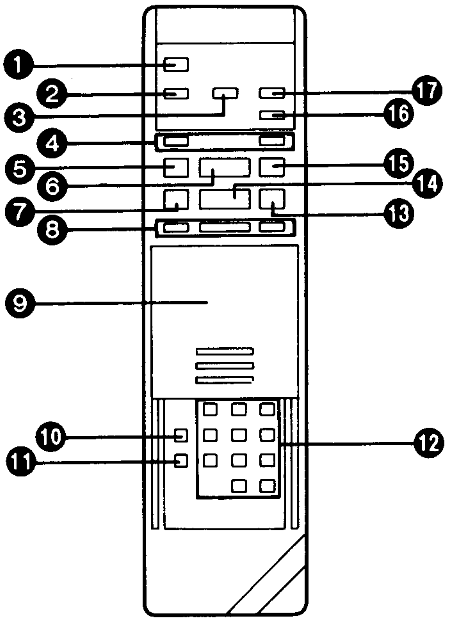
Connections of the Euro AV Socket


20 18 16 14 12 10 8 6 4 2
21
19 17 15 13 11 9 7 5 3 1

1 AUDIO OUTPUT
2 AUDIO INPUT
3 AUDIO OUTPUT
4 AUDIO GND
5 No connection
6 AUDIO INPUT
7 No connection
8 SWITCHING VOLTAGE
9 No connection
10 No connection
11 No connection
12 Noconnection
13 Noconnection
14 Noconnection
15 Noconnection
16 Noconnection
17 VIDEO GND
18 No connection
19 VIDEO OUTPUT
20 VIDEO INPUT
21 GND

1-2. INFRA-RED REMOTE CONTROLLER

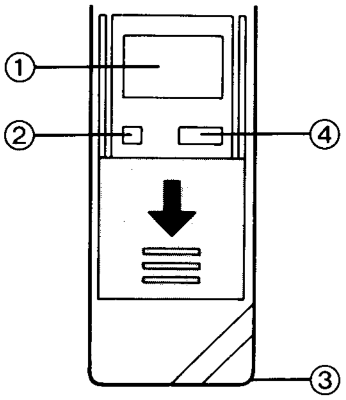
Parts Number: VEQ1120 (NV-J35EG)
VEQ1119 (NV-J35B)



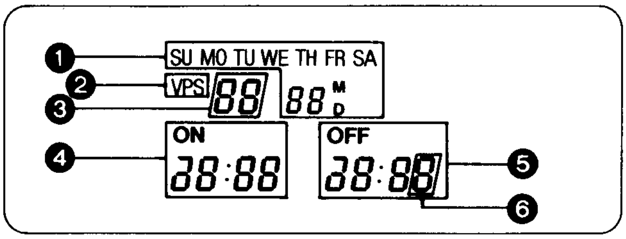
- ❶ **VTR On/Off Button**
- ❷ **Clock/Counter Selector**
- ❸ **Reset/Index Button**
- ❹ **Record Buttons (●)**
- ❺ **Pause/Still Button (❚❚)**
- ❻ **Stop Button (■)**
- ❼ **Rewind ◀◀/Review [◀◀] Button**
- ❽ **Slow Buttons**
- ❾ **Mode Selector Cover**
- ❿ **Time Search Button**
- ⓫ **Monitor Button**
- ⓬ **Programme Position (Channel) Selector Buttons**
- ⓭ **Fast Forward ▶▶/Cue [▶▶] Button**
- ⓮ **Play/×2 Button (▶)**
- ⓯ **Still Advance Button (❙❙▶)**
- ⓰ **Reverse Play Button**
- ⓱ **Memory/Repeat/Search Button**

Use as Digital Scanner

Slide the Mode Selactor Cover Downward.



① **Bar Code Reader Display**



- ❶ Date Display
- ❷ VPS Indicator
- ❸ Channel Display
- ❹ Start Time Display
- ❺ End Time Display
- ❻ Check Indicator

② **Digital Scanner On/Off Button**

③ **Bar Code Reading Section**

④ **Transmit Button**

SECTION 2

ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY METHOD

2–1–1. DISASSEMBLY FLOW CHART

This flowchart indicates disassembly steps of the cabinet parts and circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

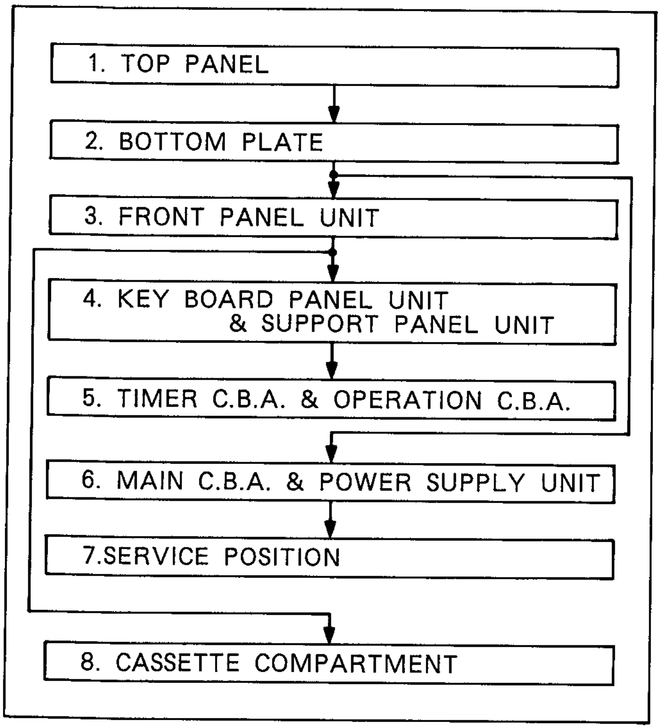

1. TOP PANEL
2. BOTTOM PLATE
3. FRONT PANEL UNIT
4. KEY BOARD PANEL UNIT & SUPPORT PANEL UNIT
5. TIMER C.B.A. & OPERATION C.B.A.
6. MAIN C.B.A. & POWER SUPPLY UNIT
7.SERVICE POSITION
8. CASSETTE COMPARTMENT

Fig. D1

2–1–2. DETAIL OF DISASSEMBLY METHOD

1. REMOVAL OF THE TOP PANEL UNIT

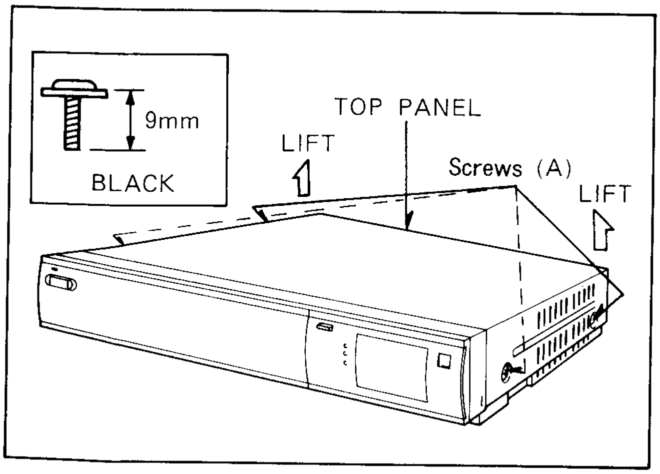

9mm
BLACK
TOP PANEL
LIFT
Screws (A)
LIFT

Fig. D2

Remove ... 4 Screws (A) : NV–J35EG
2 Screws (A) : NV–J35B

2. REMOVAL OF THE BOTTOM PLATE

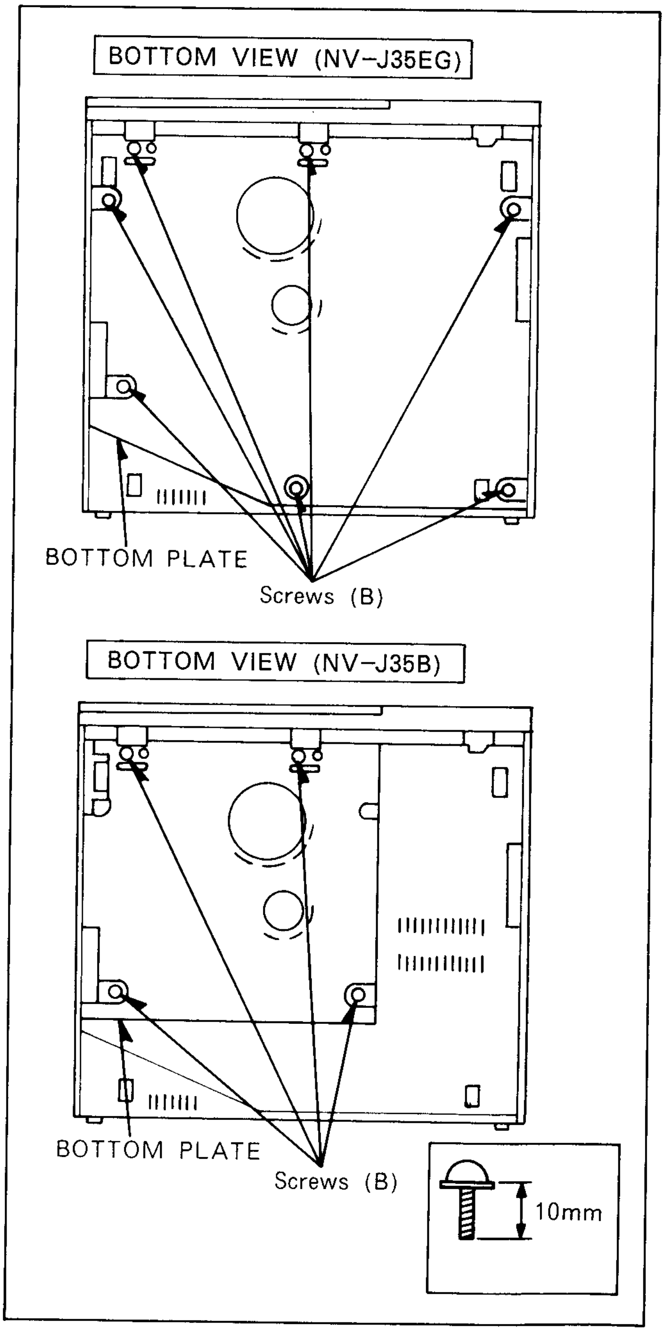

BOTTOM VIEW (NV–J35EG)
BOTTOM PLATE
Screws (B)
BOTTOM VIEW (NV–J35B)
BOTTOM PLATE
Screws (B)
10mm

Fig. D3

Remove ... 7 Screws (B) : NV–J35EG
4 Screws (B) : NV–J35B

3. REMOVAL OF THE FRONT PANEL UNIT

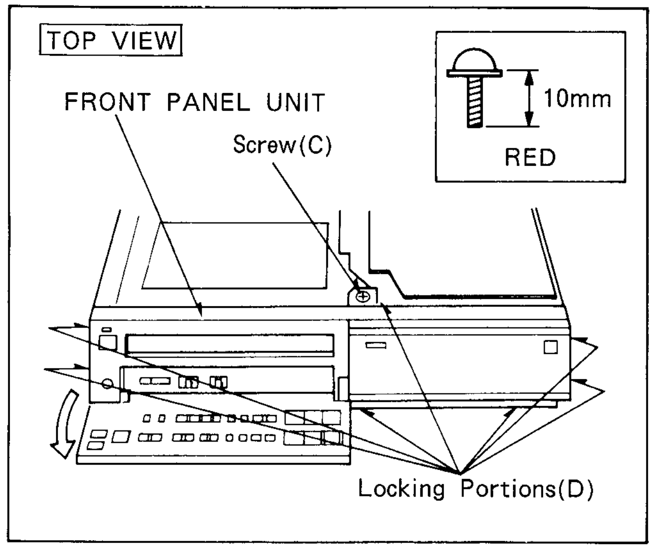

TOP VIEW
FRONT PANEL UNIT
Screw(C)
10mm
RED
Locking Portions(D)

Fig. D4

Remove ... Screw(C)
Unlock ... 7 Locking Portions(D)

4. REMOVAL OF THE KEY BOARD PANEL UNIT AND SUPPORT PANEL UNIT

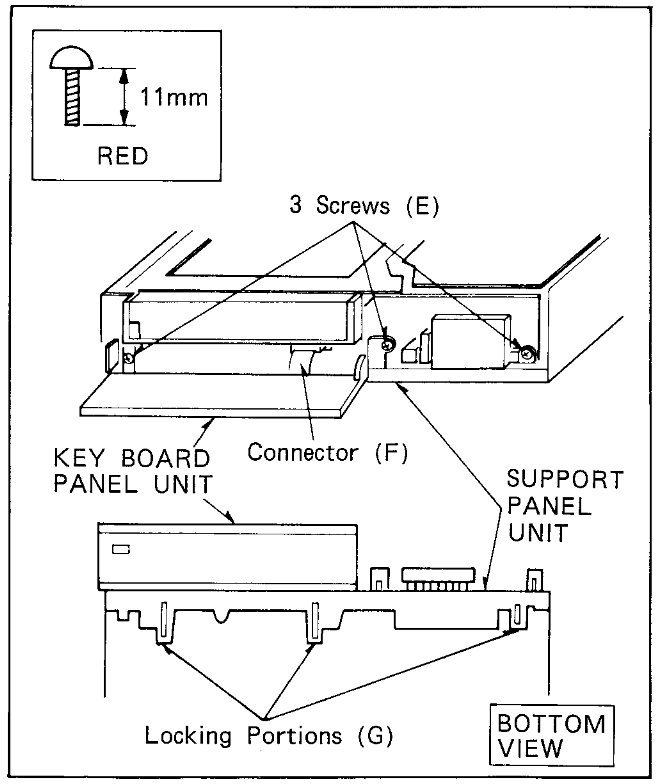

11mm
RED
3 Screws (E)
KEY BOARD PANEL UNIT
Connector (F)
SUPPORT PANEL UNIT
Locking Portions (G)
BOTTOM VIEW

Fig. D5

Remove ... 3 Screws (E)
Disconnect ... Connector (F)
Unlock ... 3 Locking Portions (G)

5. REMOVAL OF THE TIMER C.B.A. AND OPERATION C.B.A.

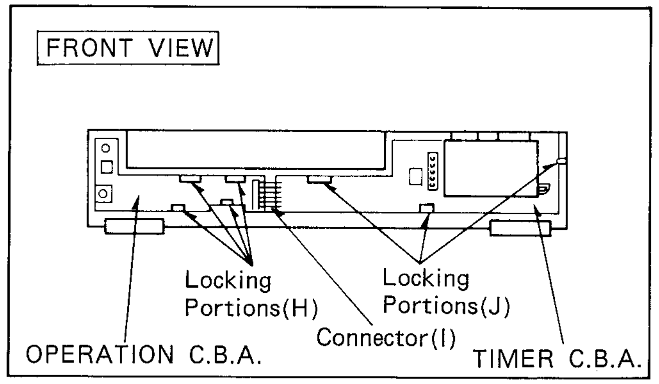

FRONT VIEW
Locking Portions(H)
Locking Portions(J)
Connector(I)
OPERATION C.B.A.
TIMER C.B.A.

Fig. D6

REMOVAL OF THE OPERATION C.B.A.

Unlock ... 4 Locking Portions(H)

REMOVAL OF THE TIMER C.B.A.

Unlock ... 3 Locking Portions(J)
Disconnect ... Connector(I)

6. REMOVAL OF THE MAIN C.B.A. AND POWER SUPPLY UNIT

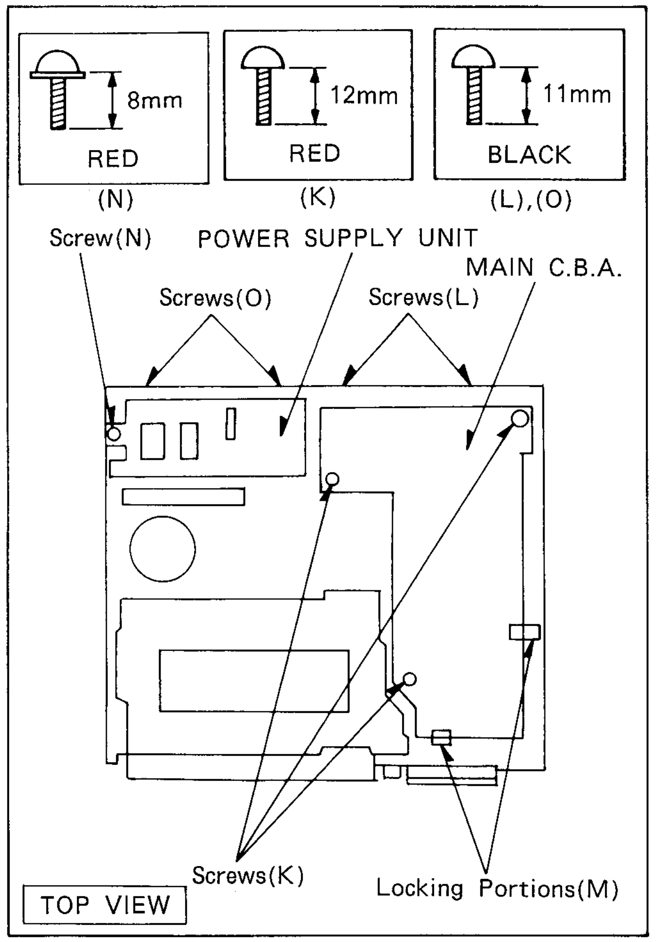

8mm
RED
(N)
12mm
RED
(K)
11mm
BLACK
(L),(O)
Screw(N)
POWER SUPPLY UNIT
MAIN C.B.A.
Screws(O)
Screws(L)
Screws(K)
Locking Portions(M)
TOP VIEW

Fig. D7

REMOVAL OF THE MAIN C.B.A.

Remove ... 3 Screws(K) and 2 Screws(L)
Unlock ... 2 Locking Portions(M)

REMOVAL OF THE POWER SUPPLY UNIT

Remove ... Screw(N) and 2 Screws(O)

7.SERVICING

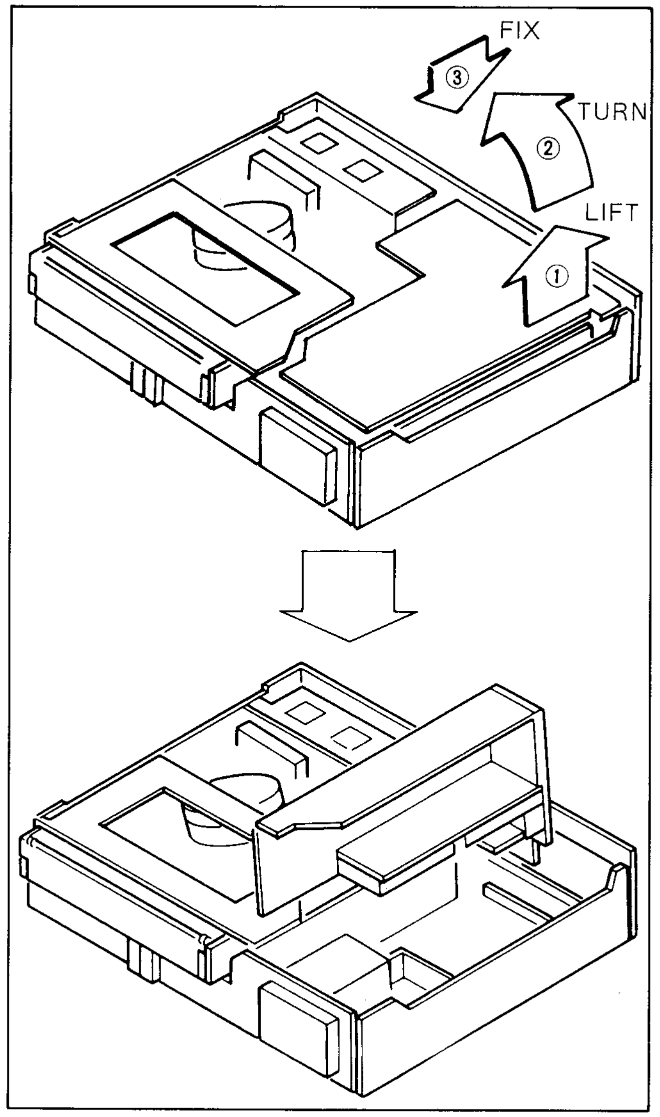

FIX
③
TURN
②
LIFT
①

Fig. D8

8. REMOVAL OF THE CASSETTE COMPARTMENT

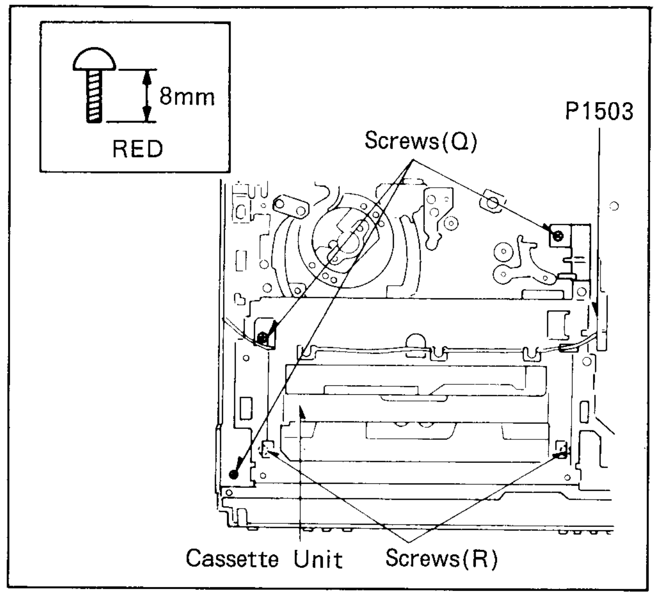

8mm
RED
Screws(Q)
P1503
Cassette Unit
Screws(R)

Fig. D9

Remove the 3 screws(Q).
Slide the cassette holder until appearing 2 screws(R) by turning (clockwise) the Capstan Rotor Unit (located in the bottom side as shown in Fig. D10) and remove the 2 screws(R).
Remove the wire cable from connector P1503 mounted on Take-up Photo Tr. C.B.A., then carefully pull out the Cassette Compartment.

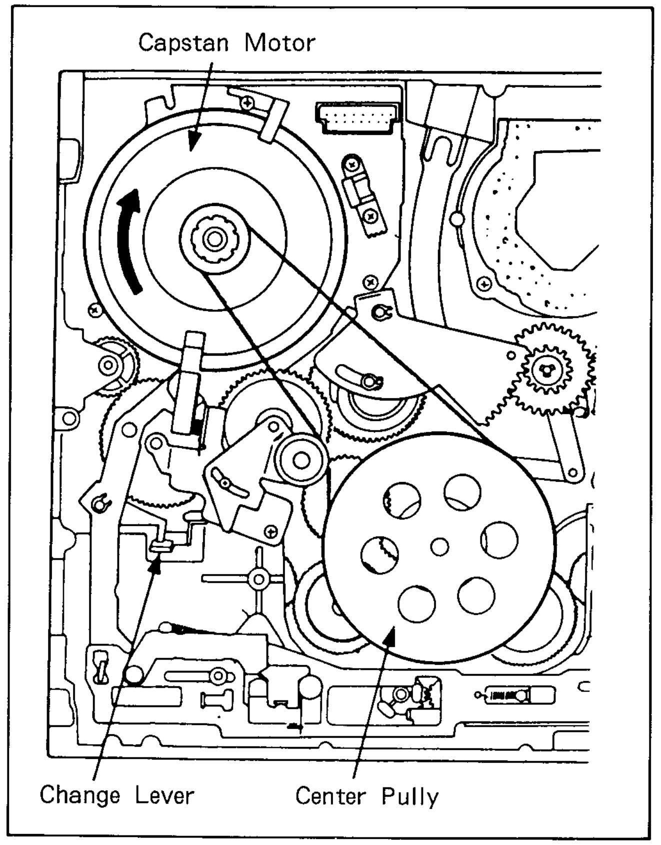

Capstan Motor
Change Lever
Center Pully

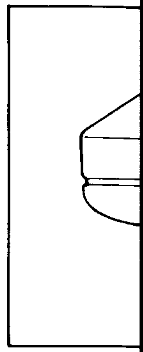
Fig. D10

NOTE:
When r
mechanica
performed
Manual
No. VRI
adjustmen

2-1-3.How

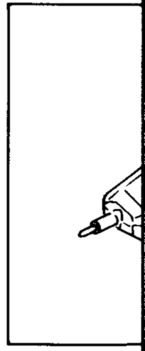
1.Removal

Turn the
and pull t
D11.



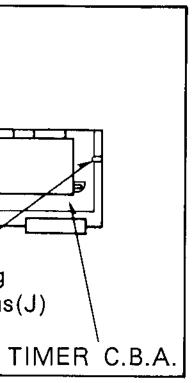
2.Removal

Press the
arrow and
Then take



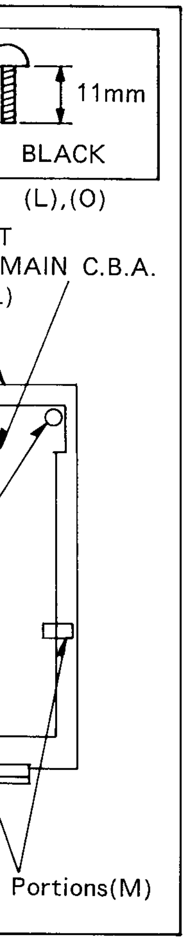
3.Removal

AND OPERATION


s(J)
TIMER C.B.A.

.A.

ND POWER


11mm
BLACK
(L),(O)
T
MAIN C.B.A.
)
Portions(M)

REMOVAL OF THE MAIN C.B.A.

Remove ... 3 Screws(K) and 2 Screws(L)
Unlock ... 2 Locking Portions(M)

REMOVAL OF THE POWER SUPPLY UNIT

Remove ... Screw(N) and 2 Screws(O)

7.SERVICING

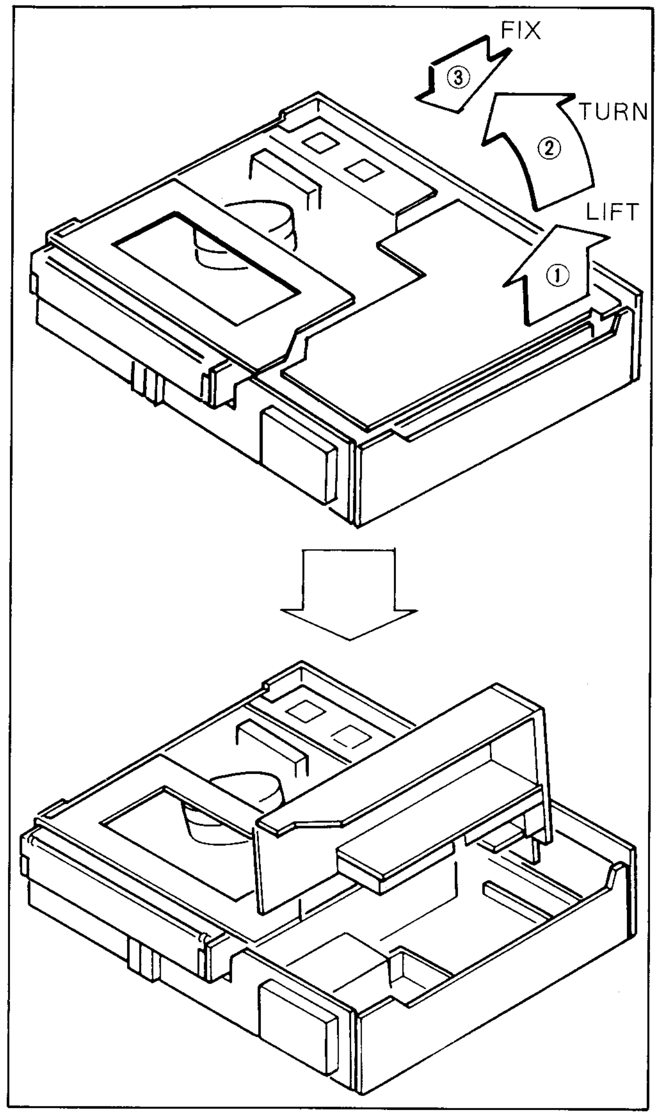

FIX
③
TURN
②
LIFT
①

Fig. D8

8. REMOVAL OF THE CASSETTE COMPARTMENT

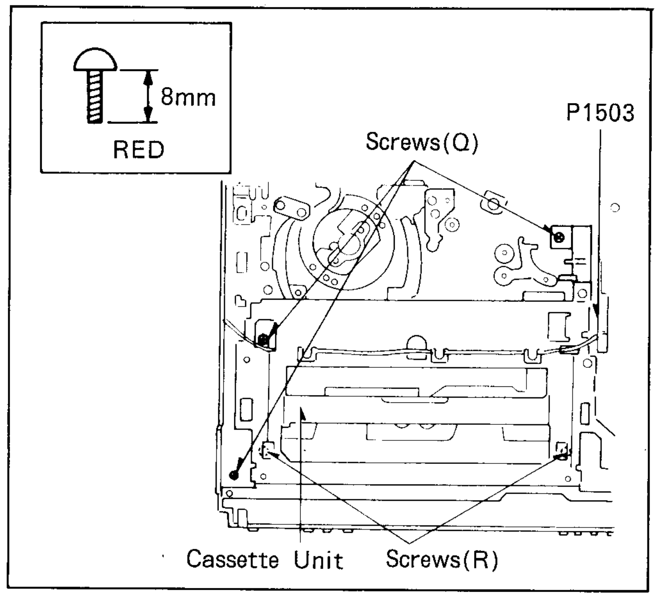

8mm
RED
Screws(Q)
P1503
Cassette Unit
Screws(R)

Fig. D9

Remove the 3 screws(Q).
Slide the cassette holder until appearing 2 screws(R) by turning (clockwise) the Capstan Rotor Unit (located in the bottom side as shown in Fig. D10) and remove the 2 screws(R).
Remove the wire cable from connector P1503 mounted on Take-up Photo Tr. C.B.A., then carefully pull out the Cassette Compartment.

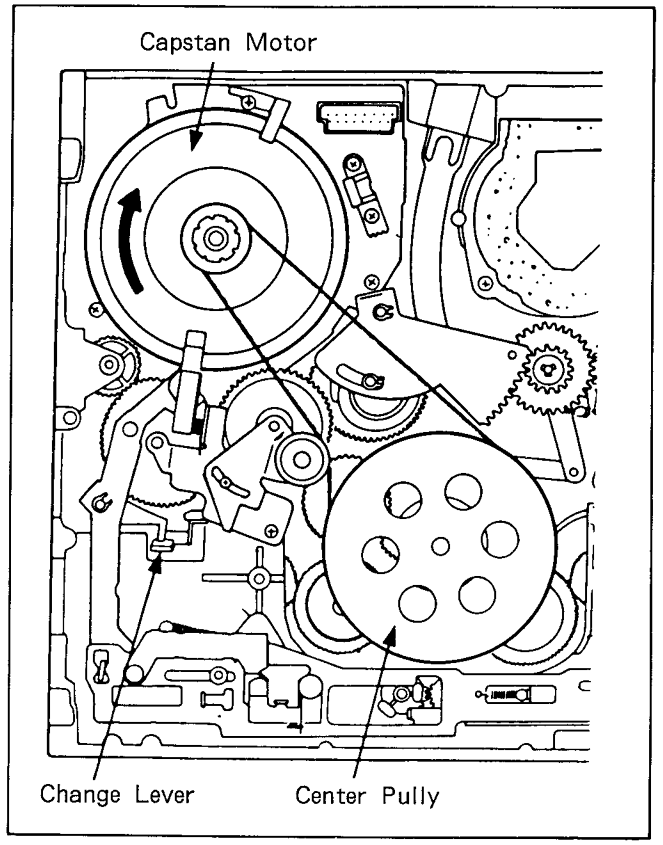

Capstan Motor
Change Lever
Center Pully

Fig. D10

NOTE:
When restalling the Cassette Compartment, mechanical adjustment (alignment) must be performed for correct working refer to Service Manual (G Mechanical Chassis) (Order No. VRD8901M101 item 2-3-13. mechanical adjustment (alignment).

2-1-3.How to open the Remote Control Unit

1.Removal of the sensor cap.

Turn the sensor cap counterclockwise(90 degrees) and pull the sensor cap to remove as shown in Fig D11.

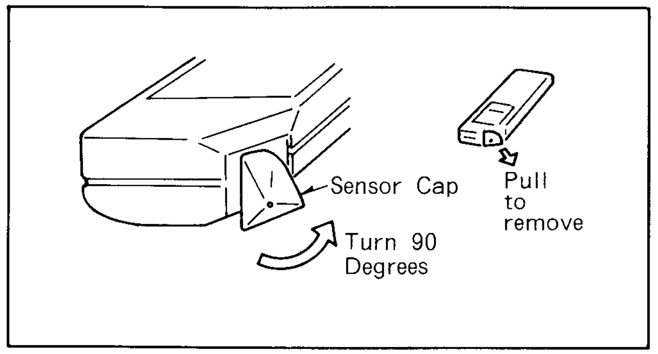

Sensor Cap
Turn 90
Degrees
Pull
to
remove

Fig.D11

2.Removal of the Battery Cover

Press the part of battery cover indicated by the arrow and lift off the cover.
Then take out batteries.

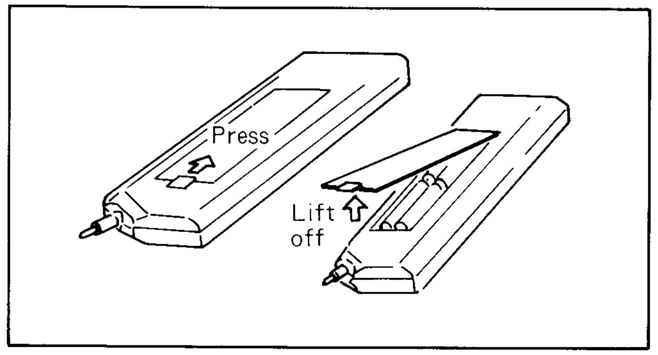

Press
Lift
off

Fig.D12

3.Removal of the bottom case.

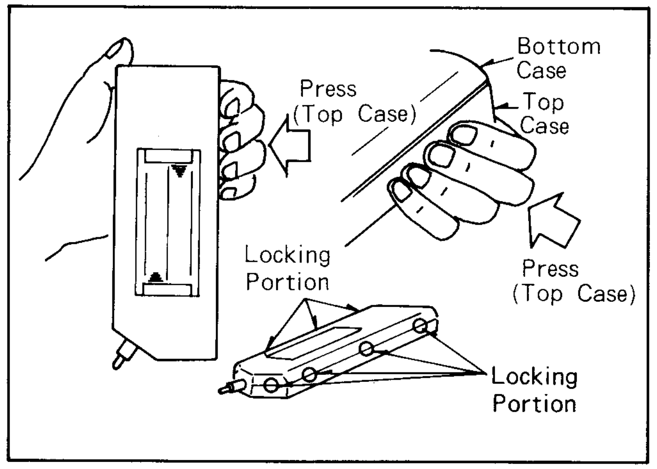

Press
(Top Case)
Bottom
Case
Top
Case
Locking
Portion
Press
(Top Case)
Locking
Portion

Fig.D13

Press the side of Top case with left hand as shown in Fig.D13 by big force so that the top case is bending.
Then insert your finger of right hand to gap between top case and bottom case while keep pressing by your left hand as shown in Fig.D14.

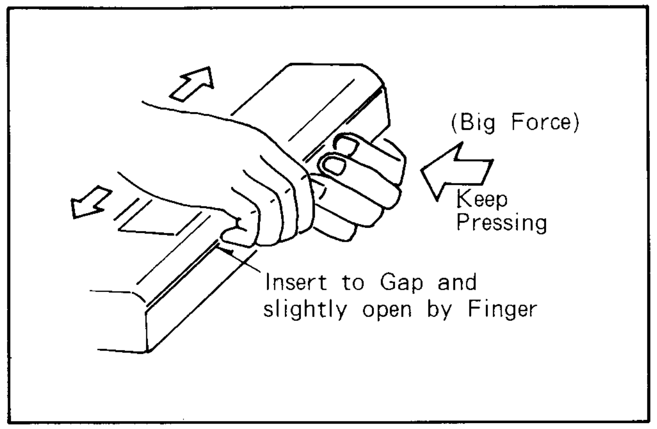

(Big Force)
Keep
Pressing
Insert to Gap and
slightly open by Finger

Fig.D14

First slightly open the bottom case by your inserted right hand and move your right hand to extend the open portion.
When unlock the 3 locking portion(refer to Fig.D13),the bottom case is removed easily.
If you can not open,please try opposite side with same way.

4.Removal of the sensor C.B.A.

Remove 2 screws as shown in Fig.D15.

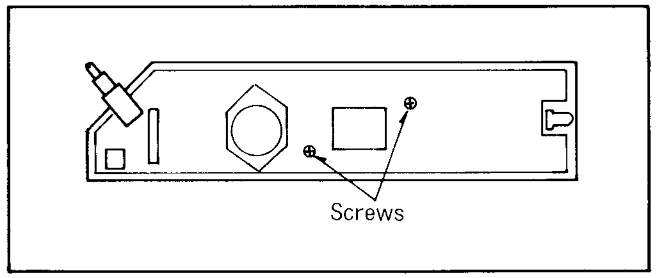
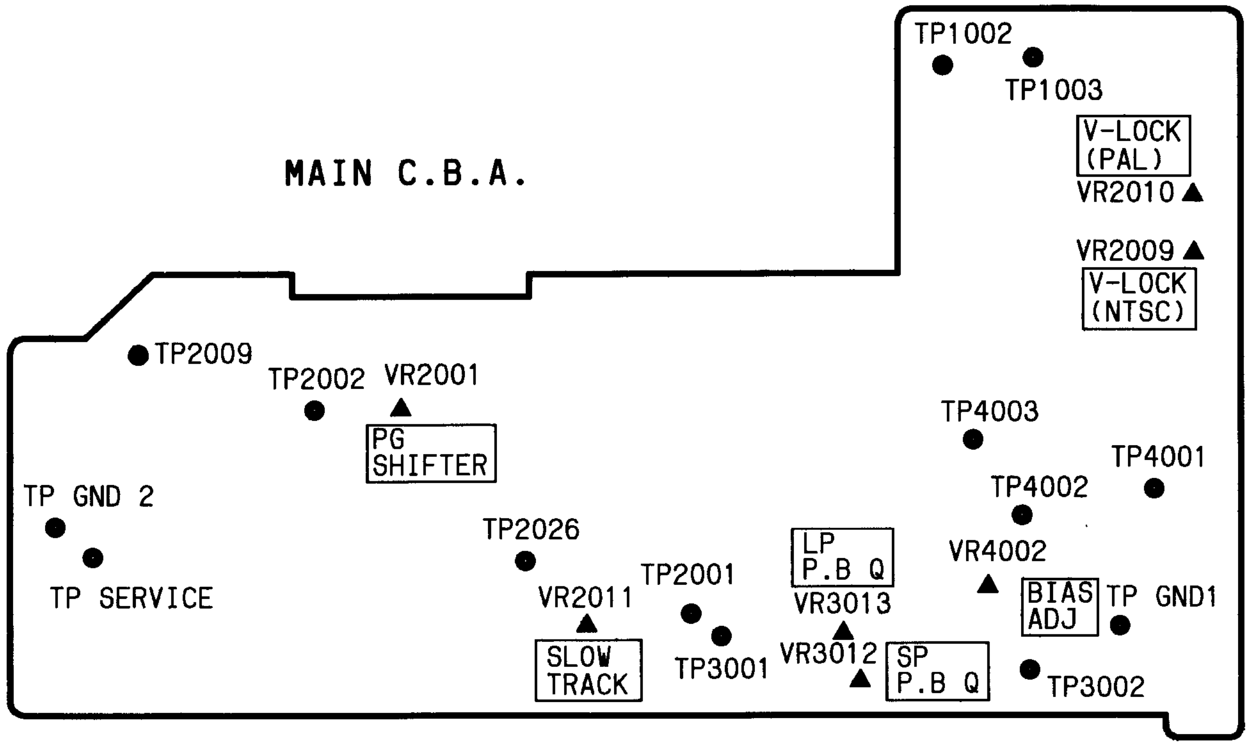


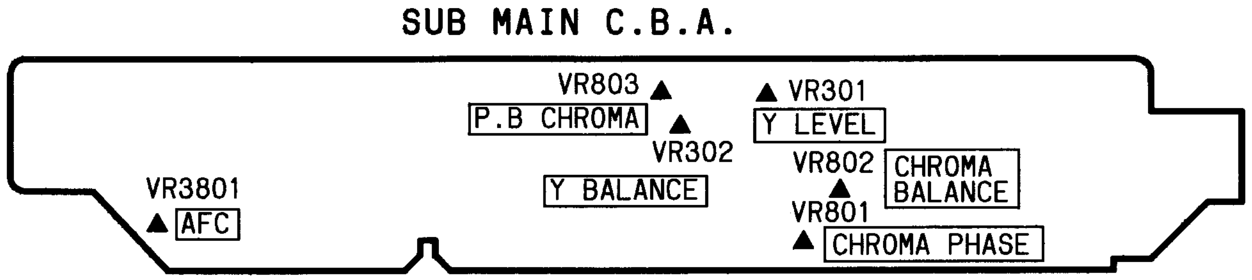
Fig.D15

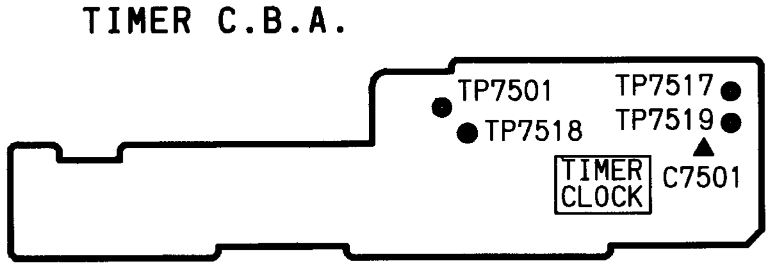
2-2. MECHANICAL ADJUSTMENT PROCEDURES

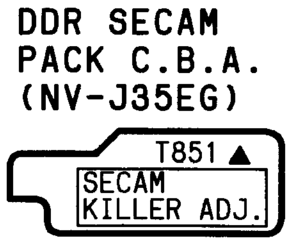
This mechanical chassis of these models NV-J35EG/B is the same as G-REV. Mechanical Chassis.
Therefore please refer to the Service Manual G-REV. Mechanical Chassis (Order No. VRD8901M101).

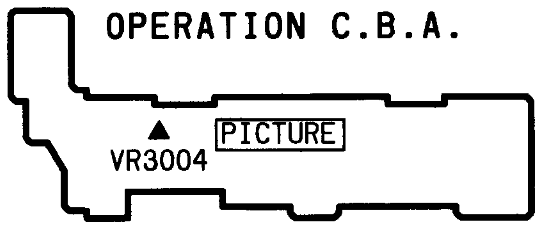
LOCATION OF TEST POINTS & CONTROLS

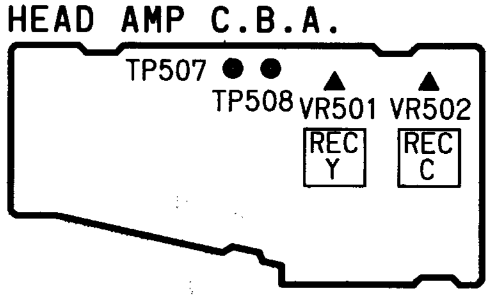

MAIN C.B.A.
TP1002
TP1003
V-LOCK (PAL)
VR2010
VR2009
V-LOCK (NTSC)
TP2009
TP2002
VR2001
PG SHIFTER
TP GND 2
TP SERVICE
TP2026
VR2011
SLOW TRACK
TP2001
TP3001
LP P.B Q
VR3013
VR3012
SP P.B Q
TP4003
TP4002
TP4001
VR4002
BIAS ADJ
TP GND1
TP3002


SUB MAIN C.B.A.
VR803
P.B CHROMA
VR302
Y BALANCE
VR301
Y LEVEL
VR802
CHROMA BALANCE
VR801
CHROMA PHASE
VR3801
AFC

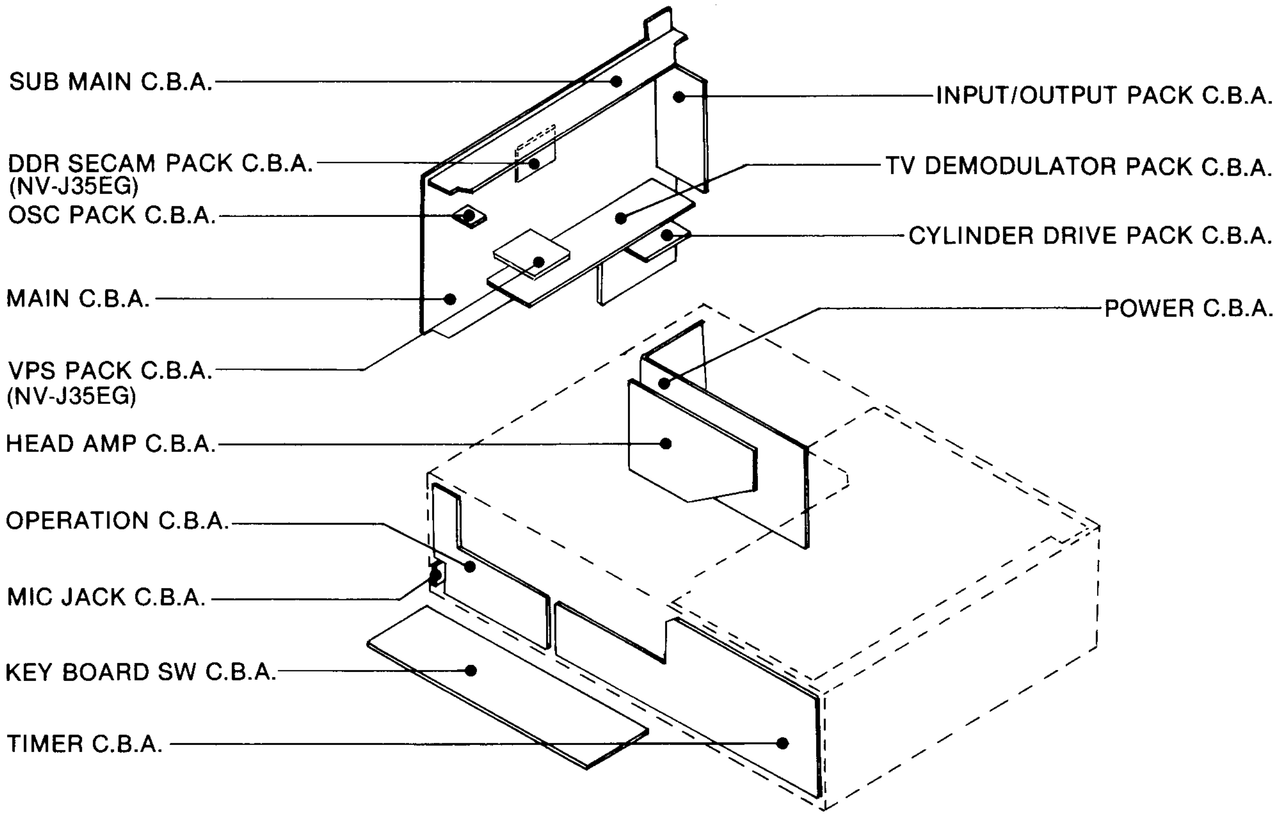

TIMER C.B.A.
TP7501
TP7518
TP7517
TP7519
TIMER CLOCK
C7501


DDR SECAM PACK C.B.A. (NV-J35EG)
T851
SECAM KILLER ADJ.


OPERATION C.B.A.
VR3004
PICTURE


HEAD AMP C.B.A.
TP507
TP508
VR501
VR502
REC Y
REC C

CIRCUIT BOARD LAYOUT


SUB MAIN C.B.A.
DDR SECAM PACK C.B.A. (NV-J35EG)
OSC PACK C.B.A.
MAIN C.B.A.
VPS PACK C.B.A. (NV-J35EG)
HEAD AMP C.B.A.
OPERATION C.B.A.
MIC JACK C.B.A.
KEY BOARD SW C.B.A.
TIMER C.B.A.
INPUT/OUTPUT PACK C.B.A.
TV DEMODULATOR PACK C.B.A.
CYLINDER DRIVE PACK C.B.A.
POWER C.B.A.

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

This section provides complete electrical adjustment procedures which may be required for electronic circuits of VHS Video Cassette Recorders NV-J35EG/B.

2-3-1. TEST EQUIPMENTS

To perform the electrical adjustments completely, following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage Range: 0.001~50V
2. Dual-Trace Oscilloscope
   Voltage Range: 0.005~50V/div.
   Frequency Range: DC~30MHz
   Probes: 10:1 or 1:1
3. Universal Counter
4. Signal Generator (Sinewave)
   Frequency Range: 0~500KHz
5. Video Sweep Generator
   Frequency Range: 0~10MHz
6. Colour Monitor TV
7. Plastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)

2-3-2. HOW TO READ THE ADJUSTMENT PROCEDURES

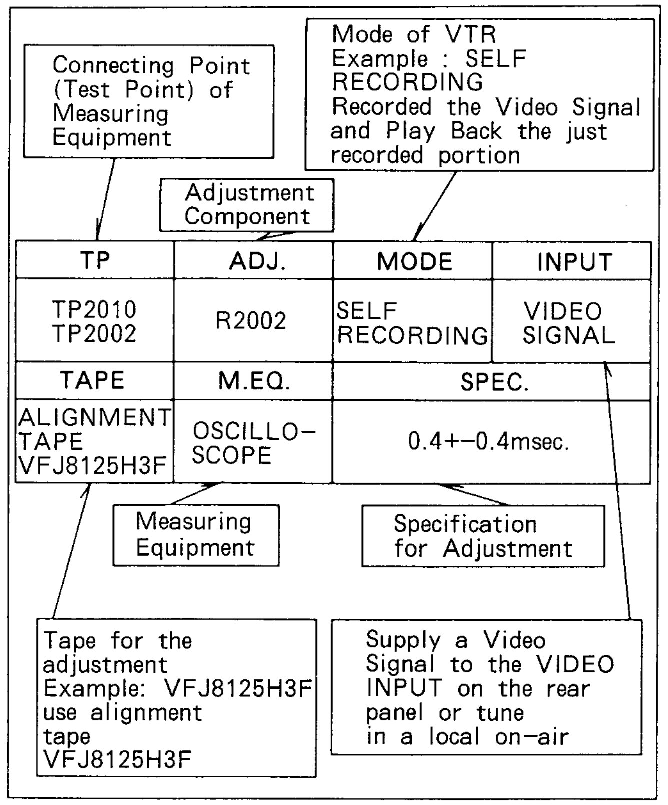
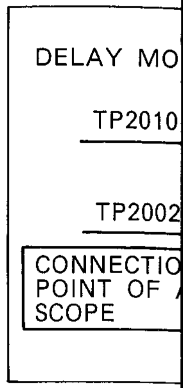

Connecting Point (Test Point) of Measuring Equipment
Mode of VTR Example : SELF RECORDING Recorded the Video Signal and Play Back the just recorded portion
Adjustment Component
TP
ADJ.
MODE
INPUT
TP2010 TP2002
R2002
SELF RECORDING
VIDEO SIGNAL
TAPE
M.EQ.
SPEC.
ALIGNMENT TAPE VFJ8125H3F
OSCILLO-SCOPE
0.4+-0.4msec.
Measuring Equipment
Specification for Adjustment
Tape for the adjustment Example: VFJ8125H3F use alignment tape VFJ8125H3F
Supply a Video Signal to the VIDEO INPUT on the rear panel or tune in a local on-air

Fig. E1


DELAY MO
TP2010
TP2002
CONNECTIO POINT OF SCOPE

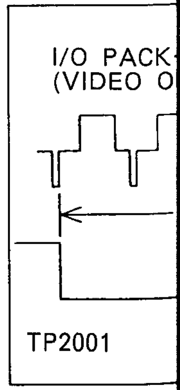
NOTE:
Before th
VTR as
especial in

1) Picture
Position
2) Test Signa
3) Noise Filt
4) Digital Tr
5) RF Level
6) Channel S
Buttons.

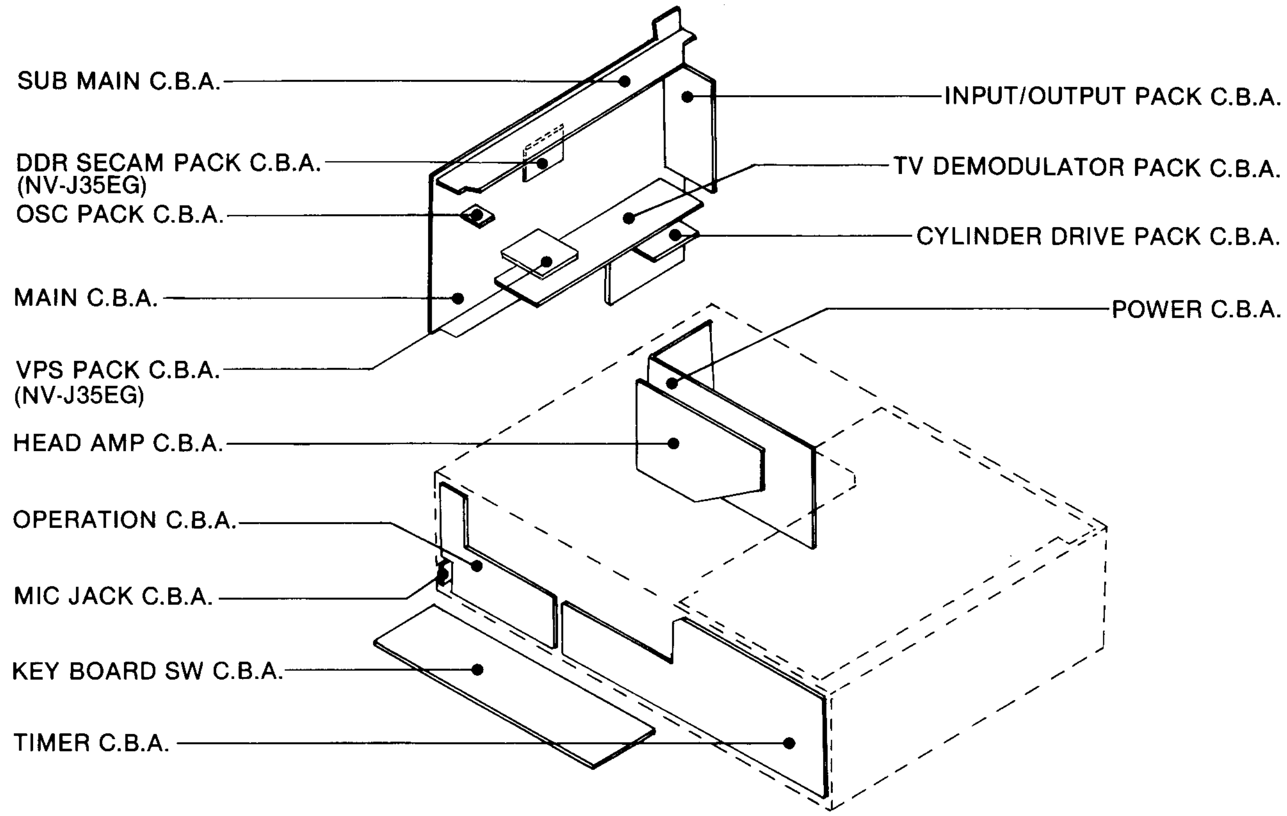
SERVO SE

2-3-3. PG SH

TP
TP2001 I/O PACK-13 (VIDEO OUT)
TAPE
ALIGNMENT TAPE VFJ8125H3F


I/O PACK
(VIDEO O
TP2001

CIRCUIT BOARD LAYOUT


SUB MAIN C.B.A.
DDR SECAM PACK C.B.A. (NV-J35EG)
OSC PACK C.B.A.
MAIN C.B.A.
VPS PACK C.B.A. (NV-J35EG)
HEAD AMP C.B.A.
OPERATION C.B.A.
MIC JACK C.B.A.
KEY BOARD SW C.B.A.
TIMER C.B.A.
INPUT/OUTPUT PACK C.B.A.
TV DEMODULATOR PACK C.B.A.
CYLINDER DRIVE PACK C.B.A.
POWER C.B.A.

2-3. ELECTRICAL ADJUSTMENT PROCEDURES

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   Probes: 10:1 or 1:1
3. Universal Counter
4. Signal Generator (Sinewave)
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5. Video Sweep Generator
   Frequency Range: 0~10MHz
6. Colour Monitor TV
7. Plastic Tip Driver
8. VHS Alignment Tape (VFJ8125H3F)

2-3-2. HOW TO READ THE ADJUSTMENT PROCEDURES

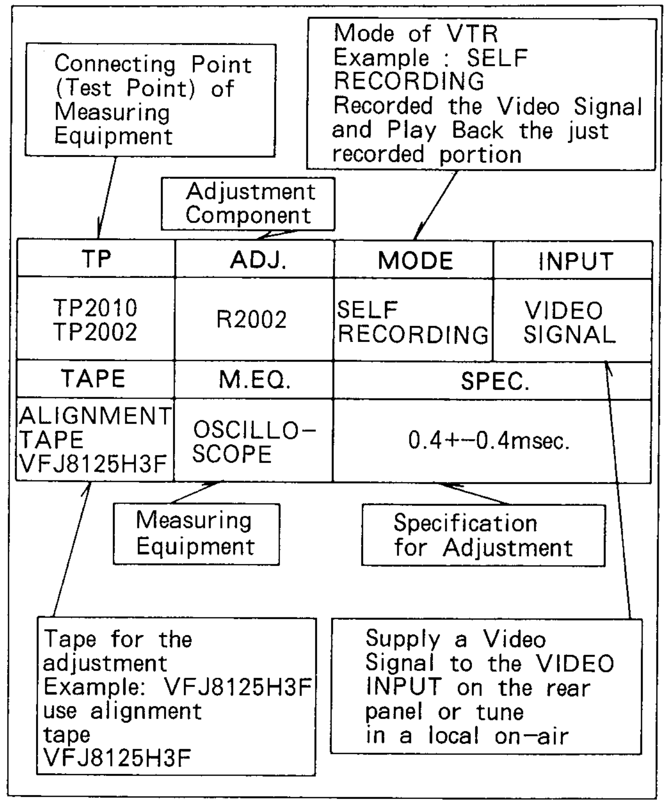

Connecting Point (Test Point) of Measuring Equipment
Mode of VTR Example : SELF RECORDING Recorded the Video Signal and Play Back the just recorded portion
Adjustment Component
TP
ADJ.
MODE
INPUT
TP2010 TP2002
R2002
SELF RECORDING
VIDEO SIGNAL
TAPE
M.EQ.
SPEC.
ALIGNMENT TAPE VFJ8125H3F
OSCILLO-SCOPE
0.4+-0.4msec.
Measuring Equipment
Specification for Adjustment
Tape for the adjustment Example: VFJ8125H3F use alignment tape VFJ8125H3F
Supply a Video Signal to the VIDEO INPUT on the rear panel or tune in a local on-air

Fig. E1

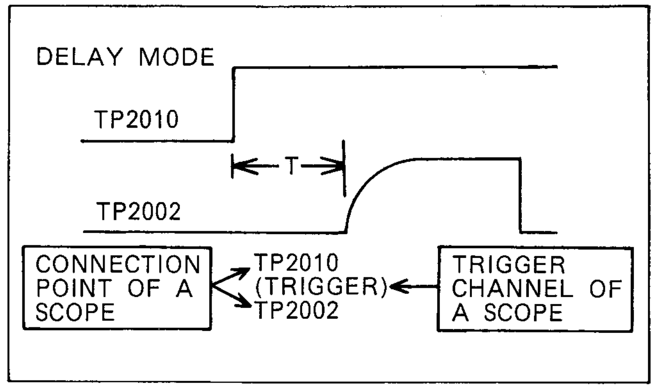

DELAY MODE
TP2010
T
TP2002
CONNECTION POINT OF A SCOPE
TP2010 (TRIGGER)
TP2002
TRIGGER CHANNEL OF A SCOPE

Fig. E2

NOTE:

Before the electrical adjustment, set the VHS VTR as following conditions except for especial instructions in each adjustment item.

1) Picture Sharpness Control...Centre Fix Position
2) Test Signal Switch...OFF Position
3) Noise Filter/Edit Switch...OFF Position
4) Digital Tracking On/Off Switch...ON Position
5) RF Level Switch...HIGH Position.
6) Channel Selection Up and...AV Mode (CH 0) Down Buttons.

SERVO SECTION

2-3-3. PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2001 I/O PACK-13 (VIDEO OUT)	VR2001	PLAY	
TAPE	**M. EQ.**	**SPEC.**	
ALIGNMENT TAPE VFJ8125H3F	OSCILLO-SCOPE	6.5+-0.5H(NV-J35EG) 7.0+-0.5H(NV-J35B)	

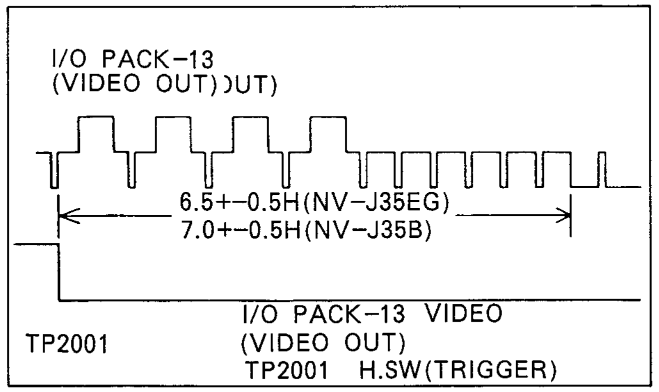

I/O PACK-13 (VIDEO OUT))UT)
6.5+-0.5H(NV-J35EG)
7.0+-0.5H(NV-J35B)
TP2001
I/O PACK-13 VIDEO (VIDEO OUT)
TP2001 H.SW(TRIGGER)

Fig. E3

2-3-4. ARTIFICIAL V-SYNC ADJUSTMENT

TP	ADJ.	MODE	INPUT
	VR2010	SELF RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	TV MONITOR		

1. Playback the just recorded portion and place the deck in STILL mode.
2. Adjust the VR2010 so that the V-dancing does not appear on the TV monitor screen.

2-3-5. SLOW TRACKING ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2002 TP2020	VR2011 (SP)	SLOW	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	20+-2 (msec) (SP)	

1. Connect the Oscilloscope to TP2002 and TP2020.
2. Set the Slow Tracking VR to Fix position.
3. Record the Colour Bar in SP Mode and playback the just recorded portion.
4. Adjust VR2011 so that the phase difference becomes 20+-2 (msec) as shown in Fig. E4.

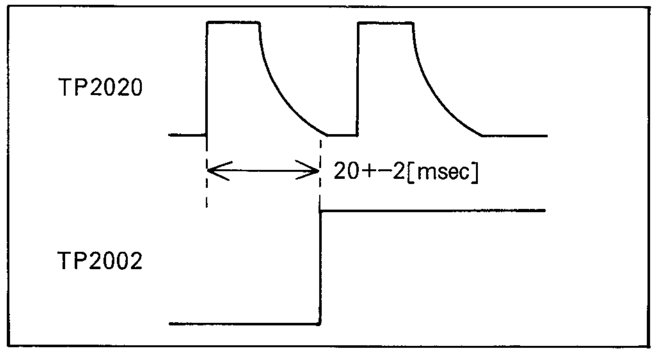

TP2020
20+-2[msec]
TP2002

Fig. E4

2-3-6.ARTIFICIAL V-SYNC FOR ARTIFICIAL NTSC ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2009	SP STILL	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	MONITOR	NO V-DANCING	

1.Playback the NTSC recorded tape and place the unit in STILL mode.
2.Adjust VR2009 so that the V-Dancing does not appear on the monitor screen.

LUMINANCE, CHROMINANCE & HEAD AMP SECTION

2–3–7. LUMINANCE RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR501	RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	130+–5mVp–p	

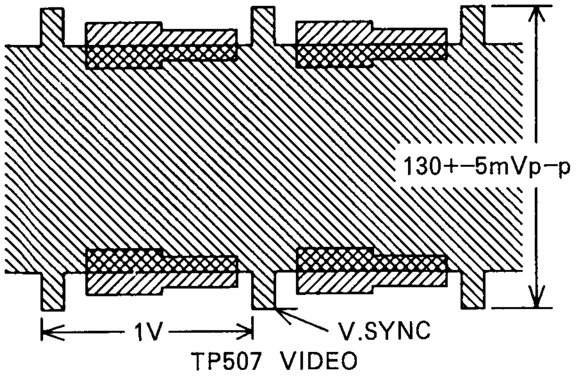

130+–5mVp–p
1V
V.SYNC
TP507 VIDEO

Fig. E5

2–3–8. CHROMINANCE RECORDING CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP507(HOT) TP508(GND)	VR502	RECORDING	VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	32+–2mVp–p	

1. Connect the oscilloscope to TP507(HOT) and TP508(GND).
2. Connect a jumper wire between P3001–1 and GND. And then place the unit to Recording mode.
3. Adjust VR502, so that chroma level becomes 32+–2mVp–p.

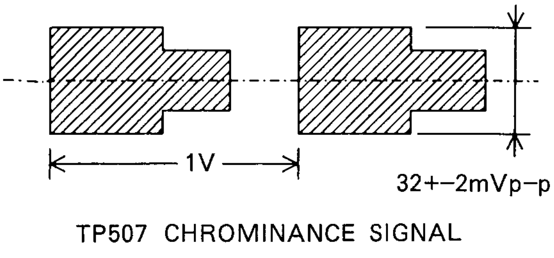
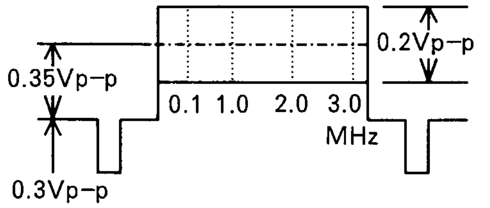

1V
32+–2mVp–p
TP507 CHROMINANCE SIGNAL

Fig. E6

2–3–9. HEAD AMP FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
I/O PACK–13 (VIDEO OUT)	VR3012(SP) VR3013(LP)	SELF RECORDING	VIDEO SWEEP
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	VIDEO SWEEP/ OSCILLO-SCOPE		

1. Set the sweep generator output as shown in below.


0.2Vp–p
0.35Vp–p
0.1 1.0 2.0 3.0
MHz
0.3Vp–p

CONDITIONS: 1. BURST SIGNAL OFF
2. 75ohm TERMINATED

Fig. E7

2. Picture Sharpness Control is centre fix position.
3. Adjust the VR3012:SP(VR3013:LP) so that the waveform becomes as shown in below.

A:0+–1dB (90∼110%) [NV–J35EG]
A:–1+–1dB (80∼100%) [NV–J35B]

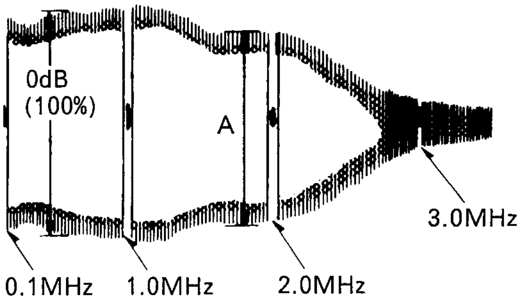

0dB
(100%)
A
3.0MHz
0.1MHz
1.0MHz
2.0MHz

Fig. E8

2–3–10.Y–NR BALANCE ADJUSTMENT (NV–J35B)

TP	ADJ.	MODE	INPUT
IC302–21	VR302	RECORDING (LP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	WAVE-FORM IS MINIMIZED	

1. Record the Colour Bar in LP Mode.
2. Connect the Oscilloscope to IC302–21.
3. Adjust VR302 so that waveform becomes minimum.

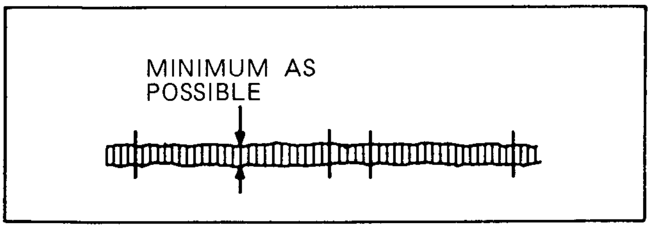


Fig. E9

2–3–11.Y–NR GAIN ADJUSTMENT (NV–J35B)

TP	ADJ.	MODE	INPUT
VIDEO LINE OUT (TP3002)	VR301	SELF RECORDING AND PLAYBACK (LP MODE)	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	1.0+–0.05 (Vp–p) (75ohm Terminated)	

1. Record the Colour bar in LP Mode.
2. Connect the oscilloscope to VIDEO LINE OUT.
3. Adjust VR301 so that the Video E–E level becomes 1.0+–0.05 (Vp–p).
4. Playback the just recorded portion.
5. Confirm the Video Playback level which is 1.0+–0.05(Vp–p).
6. If the Video Playback level is out of spec., adjust VR301 so that it becomes 1.0+–0.1(Vp–p) and confirm the Video E–E level.

Achieve this adjustment, Video OUT terminal must be terminated with 75ohm.

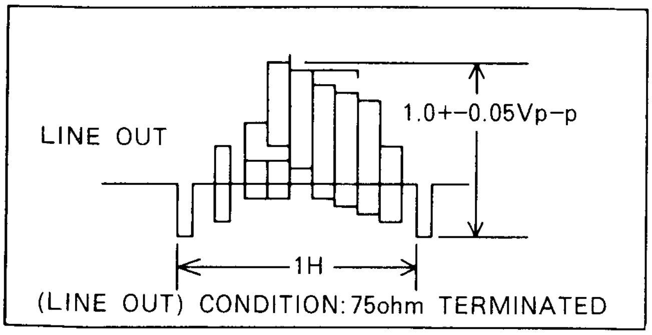


Fig. E10

2–3–12.CHROMA RECURSIVE ADJUSTMENT

TP	ADJ.	MODE	INPUT
IC302–8	VR801 VR802	SELF RECORDING AND PLAYPACK	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	AMPLITUDE IS MINIMIZED	

1. Record the Colour Bar in SP Mode and playback the just recorded portion.
2. Connect the Oscilloscope to IC302–8.
3. Adjust VR801 and VR802 alternately so that the Chrominance Waveform Amplitude becomes minimum.

Achieve this adjustment after finishing adjustments in REC mode.

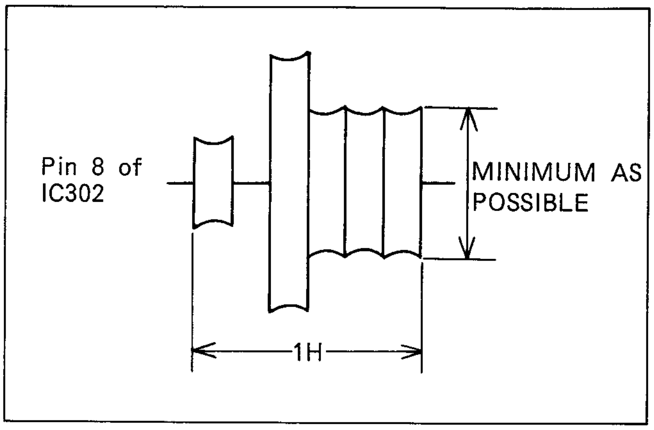


Fig. E11

2–3–13.SECAM KILLER ADJUSTMENT (NV–J35EG ONLY)

TP	ADJ.	MODE	INPUT
IC851–11	T851	RECORDING	SECAM VIDEO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO–SCOPE	Portion A is peak to negative direction.	

1. Adjust T851 so that the portion "A" becomes maximum waveform.

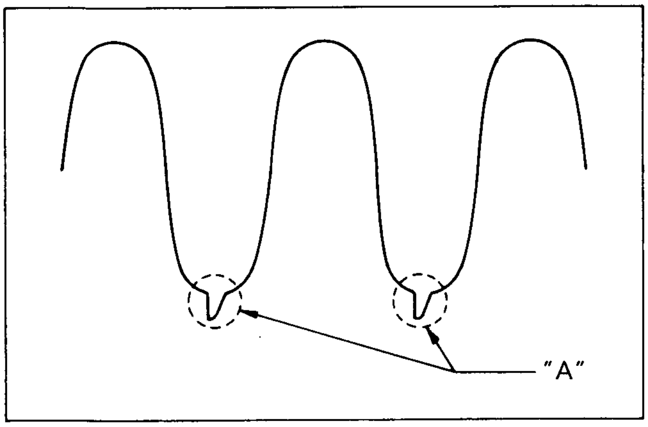


Fig. E12

AUDIO SECTION

2–3–14. AUDIO BIAS CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4002(+) TP4003(–)	VR4002	RECORDING	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M.	2.7+–0.1mVrms	

TIMER SECTION

NOTE: Do not connect the AC power plug.

2–3–15.TIMER REFERENCE CLOCK ADJUSTMENT
(NV–J35EG)

TP	ADJ.	MODE	INPUT
TP7501	C7501		
TAPE	**M. EQ.**	**SPEC.**	
	UNIVERSAL COUNTER	7812.5+–0.015us	

1. Connect a jumper wire between P7501–10 and 11.
2. Connect a jumper wire between P7501–8 and GND.

(NV–J35B)

TP	ADJ.	MODE	INPUT
TP7501	C7501		
TAPE	**M. EQ.**	**SPEC.**	
	UNIVERSAL COUNTER	488.2812+–0.001us	

1. Connect a jumper wire between P7501–10 and 11.
2. Connect a jumper wire between P7501–8 and GND.
3. Connect a diode(MA165) between IC7501–36 and 56.

Memo

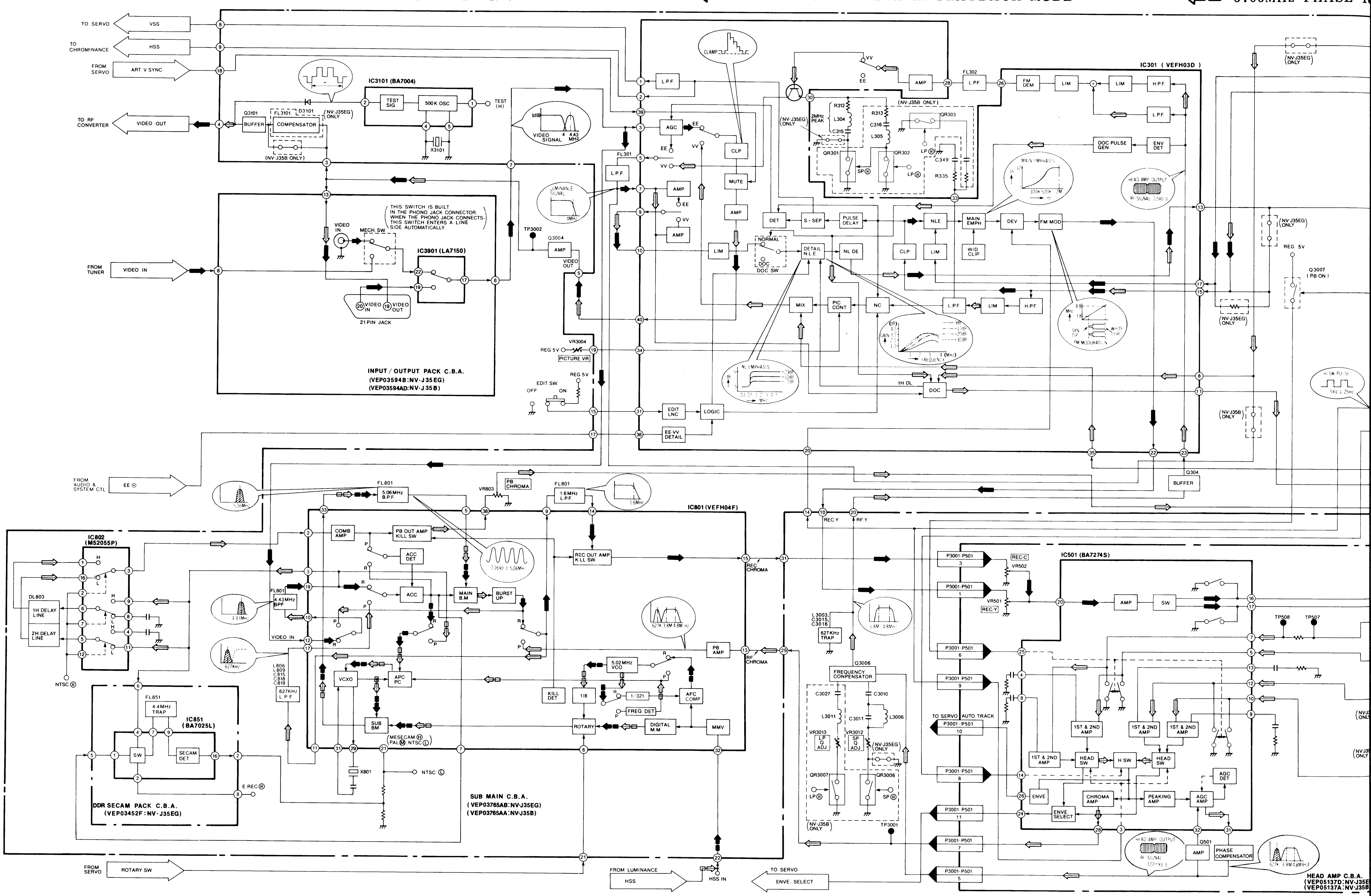
SECTION 3
BLOCK DIAGRAMS & SCHEMATIC DIAGRAMS
3-1. LUMINANCE & CHROMINANCE BLOCK DIAGRAM

◀ MAIN SIGNAL PATH IN REC MODE

◁ MAIN SIGNAL PATH IN PLAYBACK MODE

◀■ 5.06MHz PHASE R

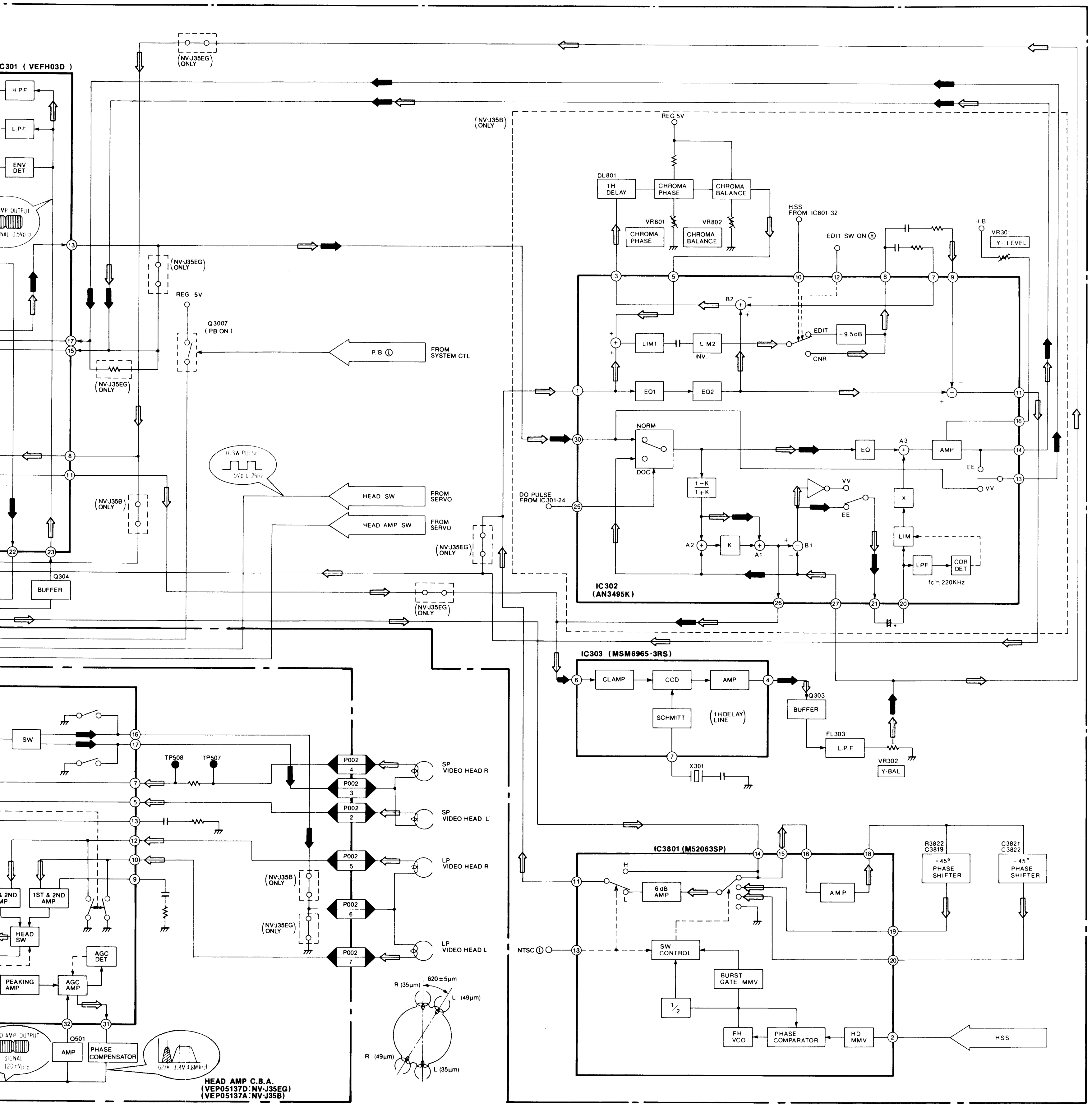
◁□ 5.06MHz PHASE R



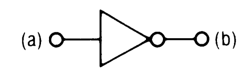
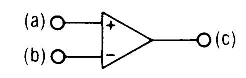
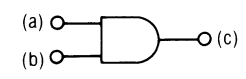
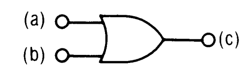
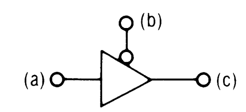
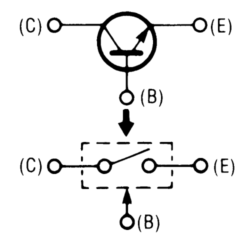
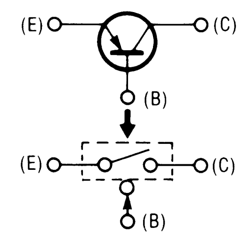
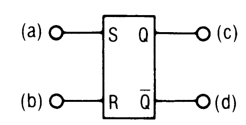
TO SERVO
VSS
TO CHROMINANCE
HSS
FROM SERVO
ART V SYNC
TO RF CONVERTER
VIDEO OUT
Q3101
BUFFER
FL3101
D3101
COMPENSATOR
(NV-J35EG) ONLY
(NV-J35B ONLY)
IC3101 (BA7004)
TEST SIG
500K OSC
TEST (H)
X3101
VIDEO SIGNAL
4.43 MHz
THIS SWITCH IS BUILT IN THE PHONO JACK CONNECTOR WHEN THE PHONO JACK CONNECTS, THIS SWITCH ENTERS A LINE SIDE AUTOMATICALLY.
VIDEO IN
MECH SW
IC3901 (LA7150)
FROM TUNER
VIDEO IN
VIDEO IN
VIDEO OUT
21 PIN JACK
INPUT / OUTPUT PACK C.B.A.
(VEP03594B:NV-J35EG)
(VEP03594AD:NV-J35B)
TP3002
Q3004
AMP
VIDEO OUT
LUMINANCE SIGNAL
3MHz
REG 5V
VR3004
PICTURE VR
EDIT SW
OFF
ON
FL301
L.P.F
CLAMP
AGC
EE
VV
AMP
CLP
MUTE
LIM
NORMAL
DOC
DOC SW
DETAIL N.L.E
NL DE
DET
S-SEP
PULSE DELAY
MIX
PIC CONT
NC
EDIT LNC
LOGIC
EE-VV DETAIL
1H DL
DOC
2MHz PEAK
R312
L304
C315
R313
C316
L305
QR301
QR302
QR303
SP (H)
LP (H)
C349
R335
(NV-J35B ONLY)
FL302
IC301 (VEFH03D)
FM DEM
LIM
H.P.F
L.P.F
DOC PULSE GEN
ENV DET
MAIN EMPHASIS
HEAD AMP OUTPUT
RF SIGNAL 3.5Vp-p
NLE
MAIN EMPH
DEV
FM MOD
W/D CLIP
CLP
LIM
L.P.F
LIM
H.P.F
NL EMPHASIS
FM MODULATION
SYNC TIP
WHITE LEVEL
FREQUENCY (MHz)
(NV-J35EG) ONLY
REG 5V
Q3007 (PB ON)
(NV-J35B) ONLY
H.SW PULSE
Q304
BUFFER
FROM AUDIO & SYSTEM CTL
EE (H)
FL801
5.06MHz B.P.F
VR803
PB CHROMA
FL801
1.6MHz L.P.F
1.6MHz
IC801 (VEFH04F)
COMB AMP
PB OUT AMP KILL SW
ACC DET
ACC
MAIN B.M
BURST UP
0.36Vp-p 5.06MHz
REC OUT AMP KILL SW
REC CHROMA
FL801
4.43MHz BPF
VIDEO IN
627KHz
627K 3.8M 4.8M Hz
PB AMP
RF CHROMA
5.02MHz VCO
1/321
FREQ. DET
AFC COMP
VCXO
APC PC
SUB BM
1/8
ROTARY
DIGITAL M.M
MMV
KILL DET
L806 L809 C815 C818 C819
627KHz L.P.F
X801
NTSC (L)
MESECAM (H) PAL (M) NTSC (L)
SUB MAIN C.B.A.
(VEP03765AB:NV-J35EG)
(VEP03765AA:NV-J35B)
IC802 (M52055P)
DL803
1H DELAY LINE
2H DELAY LINE
NTSC (H)
FL851
4.4MHz TRAP
IC851 (BA7025L)
SW
SECAM DET
E.REC (H)
DDR SECAM PACK C.B.A.
(VEP03452F:NV-J35EG)
FROM SERVO
ROTARY SW
FROM LUMINANCE
HSS
HSS IN
TO SERVO
ENVE. SELECT
REC.Y
RF Y
L3003, C3015, C3016
627KHz TRAP
Q3006
FREQUENCY COMPENSATOR
C3027
C3010
L3011
C3011
L3006
VR3013
LP Q ADJ
VR3012
SP Q ADJ
(NV-J35EG) ONLY
QR3007
QR3006
LP (H)
SP (H)
(NV-J35B) ONLY
TP3001
P3001-P501
REC-C
VR502
VR501
REC-Y
TO SERVO AUTO TRACK
IC501 (BA7274S)
AMP
SW
TP508
TP507
1ST & 2ND AMP
HEAD SW
H SW
ENVE
ENVE SELECT
CHROMA AMP
PEAKING AMP
AGC AMP
AGC DET
Q501
AMP
PHASE COMPENSATOR
HEAD AMP OUTPUT
RF SIGNAL 320mVp-p
627K 3.8M 4.8MHz
HEAD AMP C.B.A.
(VEP05137D:NV-J35E
(VEP05137A:NV-J35B

◀■ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE

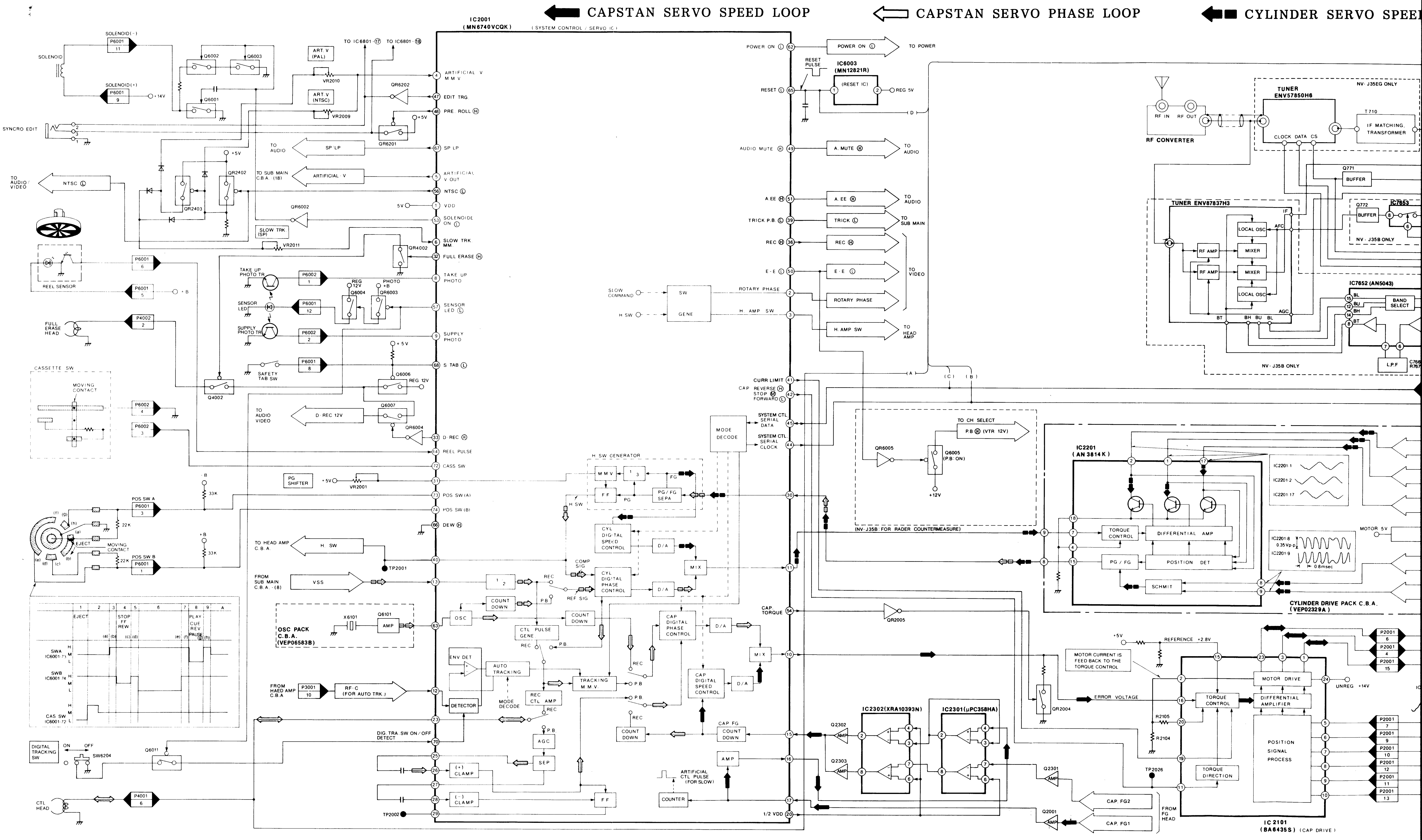
◁□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



IC301 (VEFH03D)
H.P.F
L.P.F
ENV DET
(NV-J35EG ONLY)
(NV-J35B ONLY)
REG 5V
Q3007 (PB ON)
P.B Ⓛ
FROM SYSTEM CTL
HEAD SW
FROM SERVO
HEAD AMP SW
FROM SERVO
Q304
BUFFER
DL801
1H DELAY
CHROMA PHASE
CHROMA BALANCE
VR801
VR802
HSS FROM IC801-32
EDIT SW ON Ⓗ
+B
VR301
Y-LEVEL
B2
LIM1
LIM2
INV
EDIT
-9.5dB
CNR
EQ1
EQ2
NORM
DOC
EQ
A3
AMP
EE
VV
1-K / 1+K
A2
K
A1
B1
X
LIM
LPF
COR DET
fc ≒ 220KHz
DO PULSE FROM IC301-24
IC302 (AN3495K)
IC303 (MSM6965-3RS)
CLAMP
CCD
AMP
SCHMITT
(1H DELAY LINE)
X301
Q303
BUFFER
FL303
L.P.F
VR302
Y-BAL
SW
TP508
TP507
P002
SP VIDEO HEAD R
SP VIDEO HEAD L
LP VIDEO HEAD R
LP VIDEO HEAD L
2ND AMP
1ST & 2ND AMP
HEAD SW
AGC DET
PEAKING AMP
AGC AMP
Q501
AMP
PHASE COMPENSATOR
HEAD AMP OUTPUT SIGNAL
R (35μm)
620±5μm
L (49μm)
R (49μm)
L (35μm)
IC3801 (M52063SP)
H
L
6dB AMP
AMP
SW CONTROL
NTSC Ⓛ
BURST GATE MMV
1/2
FH VCO
PHASE COMPARATOR
HD MMV
HSS
R3822 C3819
+45° PHASE SHIFTER
C3821 C3822
-45° PHASE SHIFTER
HEAD AMP C.B.A.
(VEP05137D:NV-J35EG)
(VEP05137A:NV-J35B)

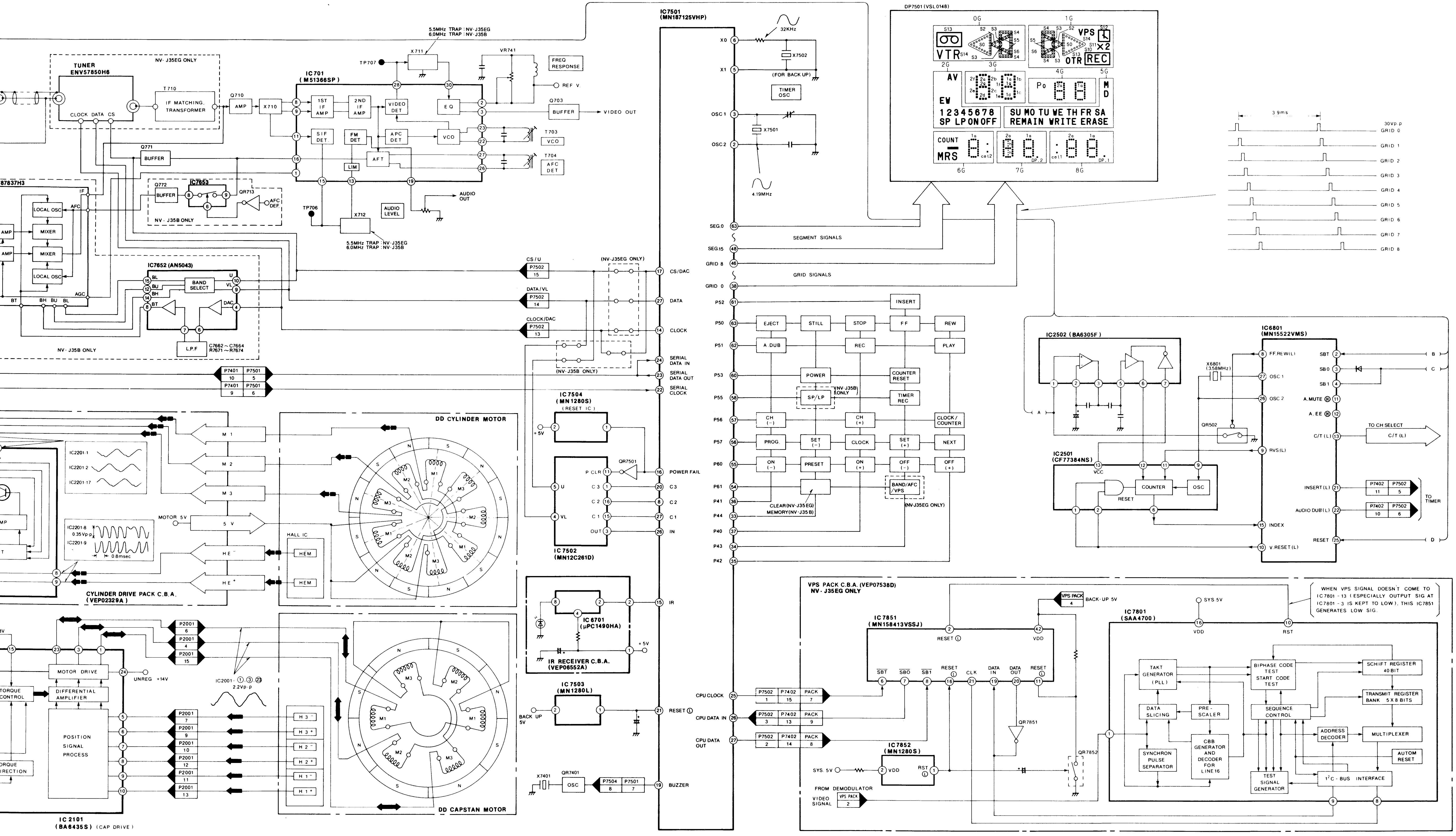
SYMBOL	TRUTH VALUE TABLE
INVERTER 	IN (a): H, L OUT (b): L, H
COMPARTOR 	IN (a)/(b): (a) > (b), (a) < (b) OUT (c): H, L
AND CIRCUIT 	IN (a): L, L, H, H IN (b): L, H, L, H OUT (c): L, L, L, H
OR CIRCUIT 	IN (a): L, L, H, H IN (b): L, H, L, H OUT (c): L, H, H, H
THREE STATES BUFFER 	IN (a): H, L, H or L IN (b): L, L, H OUT (c): H, L, ※ ※ High Impedance
TR. SW (NPN TYPE) 	BASE: H, L TR. SW: ON, OFF
TR. SW (PNP TYPE) 	BASE: H, L TR. SW: OFF, ON
R-S TYPE FLIP-FLOP 	IN (a): L, L, ⎍ IN (b): L, ⎍, L OUT (c): ※, L, H OUT (d): ◆, H, L ※ Initial condition is maintained. ◆ Initial condition is reverced.

3-2. SYSTEM CONTROL & SERVO BLOCK DIAGRAM


CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEE
IC2001
(MN6740VCQK)
(SYSTEM CONTROL / SERVO IC)
SOLENOID(−)
P6001
SOLENOID
SOLENOID(+)
+14V
SYNCRO EDIT
Q6002
Q6003
Q6001
ART. V (PAL)
ART. V (NTSC)
VR2010
VR2009
QR6202
QR6201
TO IC6801 ⑰
TO IC6801 ⑱
ARTIFICIAL V M.M.V
EDIT TRG
PRE. ROLL Ⓗ
SP LP
TO AUDIO
SP LP
TO SUB MAIN C.B.A. (18)
ARTIFICIAL V
ARTIFICIAL V OUT
TO AUDIO/VIDEO
NTSC Ⓛ
QR2402
QR2403
+5V
VDD
QR6002
SOLENOIDE ON Ⓛ
SLOW TRK (SP)
VR2011
SLOW TRK MM.
QR4002
FULL ERASE Ⓗ
REEL SENSOR
TAKE UP PHOTO TR
P6002
REG 12V
PHOTO +B
Q6004
QR6003
TAKE UP PHOTO
SENSOR LED
SENSOR LED Ⓛ
FULL ERASE HEAD
P4002
SUPPLY PHOTO TR
SUPPLY PHOTO
SAFETY TAB SW
S TAB Ⓛ
Q6006
CASSETTE SW
MOVING CONTACT
Q4002
Q6007
TO AUDIO VIDEO
D-REC 12V
QR6004
D. REC Ⓗ
REEL PULSE
CASS SW
PG SHIFTER
VR2001
POS SW (A)
POS SW (B)
DEW Ⓗ
POS SW A
POS SW B
EJECT
33K
22K
TO HEAD AMP C.B.A
H. SW
TP2001
FROM SUB MAIN C.B.A. (8)
VSS
OSC PACK C.B.A. (VEP06583B)
X6101
Q6101
AMP
OSC
COUNT DOWN
CTL PULSE GENE
ENV DET
AUTO TRACKING
DETECTOR
TRACKING M.M.V.
MODE DECODE
REC CTL AMP
AGC
SEP
(+) CLAMP
(−) CLAMP
FF
FROM HAED AMP C.B.A
P3001
RF-C (FOR AUTO TRK.)
DIG. TRA. SW ON/OFF DETECT
DIGITAL TRACKING SW
SW6204
Q6011
CTL HEAD
P4001
TP2002
EJECT
STOP FF REW
PLAY CUE REV PAUSE
SWA IC6001-73
SWB IC6001-74
CAS SW IC6001-72
H SW GENERATOR
M.M.V
PG/FG SEPA
CYL DIGITAL SPEED CONTROL
CYL DIGITAL PHASE CONTROL
COMP SIG
REF SIG
D/A
MIX
CAP DIGITAL PHASE CONTROL
CAP DIGITAL SPEED CONTROL
CAP FG COUNT DOWN
ARTIFICIAL CTL PULSE (FOR SLOW)
COUNTER
SLOW COMMAND
H SW
SW GENE
ROTARY PHASE
H. AMP SW
POWER ON Ⓛ
RESET Ⓛ
RESET PULSE
IC6003 (MN12821R)
(RESET IC)
REG 5V
AUDIO MUTE Ⓗ
A. MUTE Ⓗ
A.EE Ⓗ
TRICK P.B. Ⓛ
REC Ⓗ
E-E Ⓛ
TO POWER
TO AUDIO
TO SUB MAIN
TO VIDEO
TO HEAD AMP
CURR LIMIT
CAP. REVERSE Ⓗ STOP Ⓜ FORWARD Ⓛ
SYSTEM CTL SERIAL DATA
SYSTEM CTL SERIAL CLOCK
MODE DECODE
CAP. TORQUE
1/2 VDD
QR6005
Q6005 (P.B: ON)
TO CH SELECT
P.B Ⓗ (VTR 12V)
(NV-J35B: FOR RADER COUNTERMEASURE)
QR2005
IC2302(XRA10393N)
IC2301(μPC358HA)
Q2302
Q2303
Q2301
Q2001
CAP. FG2
CAP. FG1
FROM FG HEAD
QR2004
ERROR VOLTAGE
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
REFERENCE +2.8V
R2105
R2104
TP2026
IC 2101 (BA6435S) (CAP DRIVE)
TORQUE CONTROL
MOTOR DRIVE
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
UNREG +14V
P2001
IC2201 (AN3814K)
DIFFERENTIAL AMP
POSITION DET
PG / FG
SCHMIT
MOTOR 5V
0.35Vp-p
0.8msec
CYLINDER DRIVE PACK C.B.A. (VEP02329A)
RF CONVERTER
RF IN
RF OUT
TUNER ENV57850H6
NV-J35EG ONLY
T710
IF MATCHING TRANSFORMER
CLOCK DATA CS
Q771
BUFFER
Q772
IC7653
TUNER ENV87837H3
LOCAL OSC
RF AMP
MIXER
AFC
AGC
IC7652 (AN5043)
BAND SELECT
NV-J35B ONLY
L.P.F

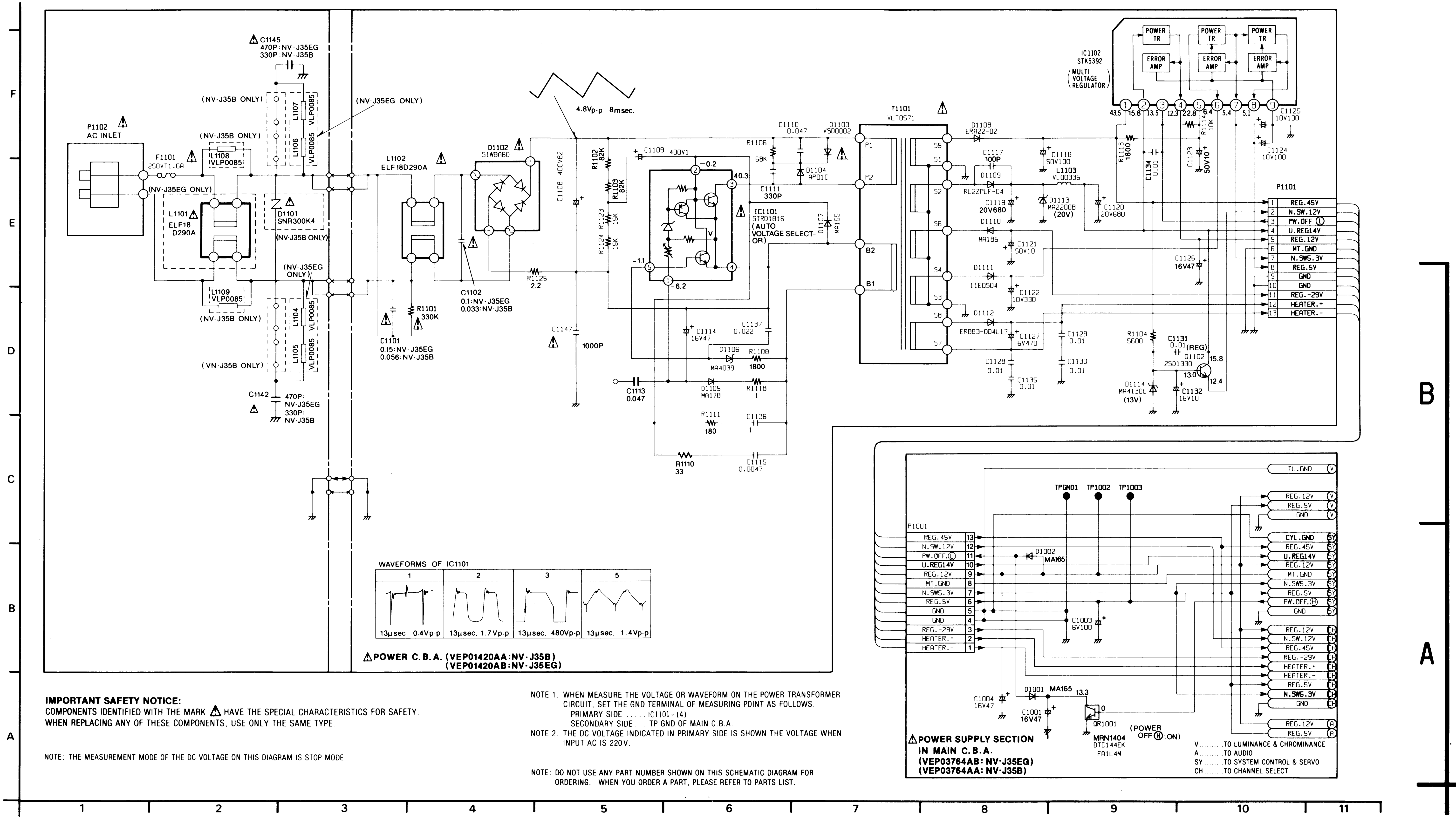
Back Page:
LUMINANCE & CHROMINANCE Section

◀■ CYLINDER SERVO SPEED LOOP　　⇦□ CYLINDER SERVO PHASE LOOP


TUNER
ENV57850H6
NV-J35EG ONLY
CLOCK DATA CS
T710
IF MATCHING TRANSFORMER
Q710
AMP
X710
IC701
(M51366SP)
1ST IF AMP
2ND IF AMP
VIDEO DET
EQ
SIF DET
FM DET
APC DET
VCO
AFT
LIM
5.5MHz TRAP: NV-J35EG
6.0MHz TRAP: NV-J35B
X711
TP707
VR741
FREQ RESPONSE
REF V
Q703
BUFFER
VIDEO OUT
T703
VCO
T704
AFC DET
AUDIO OUT
AUDIO LEVEL
TP706
X712
Q771
BUFFER
Q772
BUFFER
IC7653
QR713
AFC DEF
NV-J35B ONLY
87837H3
IF
AFC
LOCAL OSC
MIXER
AMP
AGC
BT
BH BU BL
IC7652 (AN5043)
BAND SELECT
DAC
L.P.F
C7662 ~ C7664
R7671 ~ R7674
NV-J35B ONLY
CS/U
P7502 15
DATA/VL
P7502 14
CLOCK/DAC
P7502 13
(NV-J35EG ONLY)
(NV-J35B ONLY)
P7401 10 P7501 5
P7401 9 P7501 6
IC7501
(MN187125VHP)
X0
X1
32KHz
X7502
(FOR BACK UP)
TIMER OSC
OSC 1
OSC 2
X7501
4.19MHz
SEG.0
SEG.15
GRID 8
GRID 0
SEGMENT SIGNALS
GRID SIGNALS
CS/DAC
DATA
CLOCK
SERIAL DATA IN
SERIAL DATA OUT
SERIAL CLOCK
POWER FAIL
C3
C2
C1
IN
IR
RESET
BUZZER
CPU CLOCK
CPU DATA IN
CPU DATA OUT
P52
P50
P51
P53
P55
P56
P57
P60
P61
P41
P44
P40
P43
P42
INSERT
EJECT
STILL
STOP
FF
REW
A.DUB
REC
PLAY
POWER
COUNTER RESET
SP/LP
(NV-J35B ONLY)
TIMER REC
CH (-)
CH (+)
CLOCK/COUNTER
PROG
SET (-)
CLOCK
SET (+)
NEXT
ON (-)
PRESET
ON (+)
OFF (-)
OFF (+)
BAND/AFC /VPS
(NV-J35EG ONLY)
CLEAR(NV-J35EG)
MEMORY(NV-J35B)
DP7501 (VSL0148)
VTR
VPS
OTR
REC
AV
EW
12345678
SP LP ON OFF
SU MO TU WE TH FR SA
REMAIN WRITE ERASE
Po
M D
COUNT
MRS
3.9ms
30Vp-p
GRID 0
GRID 1
GRID 2
GRID 3
GRID 4
GRID 5
GRID 6
GRID 7
GRID 8
IC7504
(MN1280S)
(RESET IC)
+5V
QR7501
P CLR
IC7502
(MN12C261D)
DD CYLINDER MOTOR
M1
M2
M3
5V
MOTOR 5V
HE-
HE+
HALL IC
HEM
IC2201-1
IC2201-2
IC2201-17
IC2201-8
0.35Vp-p
IC2201-9
0.8msec
CYLINDER DRIVE PACK C.B.A.
(VEP02329A)
IC6701
(μPC1490HA)
IR RECEIVER C.B.A.
(VEP06552A)
IC7503
(MN1280L)
BACK UP 5V
X7401
QR7401
OSC
P7504 8 P7501 7
P2001
UNREG +14V
MOTOR DRIVE
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
IC2001-①.③.㉓
2.2Vp-p
H3-
H3+
H2-
H2+
H1-
H1+
DD CAPSTAN MOTOR
IC2101
(BA6435S) (CAP DRIVE)
IC2502 (BA6305F)
IC6801
(MN15522VMS)
X6801
(3.58MHz)
FF.REW(L)
OSC 1
OSC 2
SBT
SB0
SB1
A.MUTE
A.EE
C/T(L)
TO CH SELECT
QR502
RVS(L)
IC2501
(CF77384NS)
VCC
COUNTER
OSC
RESET
INDEX
V.RESET(L)
INSERT(L)
AUDIO DUB(L)
P7402 11 P7502 5
P7402 10 P7502 6
TO TIMER
VPS PACK C.B.A. (VEP07538D)
NV-J35EG ONLY
VPS PACK
BACK-UP 5V
SYS 5V
IC7851
(MN158413VSSJ)
VDD
SBT SB0 SB1 RESET CLK DATA IN DATA OUT
QR7851
IC7852
(MN1280S)
RST
QR7852
FROM DEMODULATOR
VIDEO SIGNAL
P7502 P7402 PACK
WHEN VPS SIGNAL DOESN'T COME TO IC7801-13 (ESPECIALLY OUTPUT SIG AT IC7801-3 IS KEPT TO LOW), THIS IC7851 GENERATES LOW SIG.
IC7801
(SAA4700)
RST
TAKT GENERATOR (PLL)
DATA SLICING
PRE-SCALER
SYNCHRON PULSE SEPARATOR
CBB GENERATOR AND DECODER FOR LINE 16
BIPHASE CODE TEST START CODE TEST
SEQUENCE CONTROL
TEST SIGNAL GENERATOR
SCHIFT REGISTER 40BIT
TRANSMIT REGISTER BANK 5X8 BITS
ADDRESS DECODER
MULTIPLEXER
AUTOM RESET
I2C-BUS INTERFACE

3-3. POWER SCHEMATIC DIAGRAM

3-4. P


P1102 ⚠
AC INLET
F1101 ⚠
250VT1.6A
(NV-J35B ONLY)
L1108
VLP0085
(NV-J35EG ONLY)
L1101 ⚠
ELF18
D290A
D1101 ⚠
SNR300K4
(NV-J35B ONLY)
L1109
VLP0085
⚠ C1145
470P:NV-J35EG
330P:NV-J35B
L1107
L1106
VLP0085
L1104
L1105
(VN-J35B ONLY)
C1142 ⚠
470P:
NV-J35EG
330P:
NV-J35B
(NV-J35EG ONLY)
L1102 ⚠
ELF18D290A
C1101 ⚠
0.15:NV-J35EG
0.056:NV-J35B
R1101 ⚠
330K
C1102 ⚠
0.1:NV-J35EG
0.033:NV-J35B
D1102 ⚠
S1WBA60
4.8Vp-p 8msec.
C1108 400V82
R1102 82K
R1103 82K
R1123 15K
R1124 15K
R1125
2.2
C1147 ⚠
1000P
C1109 400V1
-0.2
40.3
-1.1
-6.2
IC1101 ⚠
STRD1816
(AUTO
VOLTAGE SELECT-
OR)
R1106
68K
C1110
0.047
D1103
V500002
D1104
AP01C
C1111
330P
D1107
MA165
C1114
16V47
C1137
0.022
D1106
MA4039
R1108
1800
C1113
0.047
D1105
MA178
R1118
1
R1111
180
C1136
1
R1110
33
C1115
0.0047
T1101 ⚠
VLT0571
P1
P2
B2
B1
S5
S1
S2
S6
S4
S3
S8
S7
D1108
ERA22-02
C1117
100P
D1109
RL2ZPLF-C4
C1119
20V680
D1110
MA185
C1121
50V10
D1111
11EQ504
C1122
10V330
D1112
ERB83-004L17
C1127
6V470
C1128
0.01
C1135
0.01
C1129
0.01
C1130
0.01
C1118
50V100
L1103
VLQ0335
D1113
MA22008
(20V)
C1120
20V680
IC1102
STK5392
(MULTI
VOLTAGE
REGULATOR)
POWER
TR
ERROR
AMP
43.5
15.8
13.5
12.3
22.8
6.4
5.4
5.1
C1125
10V100
C1124
10V100
R1113
1800
C1134
0.01
C1123
50V10
R1114
10K
C1126
16V47
R1104
5600
C1131
0.01(REG)
Q1102
2SD1330
15.8
13.0
12.4
D1114
MA4130L
(13V)
C1132
16V10
P1101
1 REG.45V
2 N.SW.12V
3 PW.OFF Ⓛ
4 U.REG14V
5 REG.12V
6 MT.GND
7 N.SW5.3V
8 REG.5V
9 GND
10 GND
11 REG.-29V
12 HEATER.+
13 HEATER.-
WAVEFORMS OF IC1101
1
2
3
5
13μsec. 0.4Vp-p
13μsec. 1.7Vp-p
13μsec. 480Vp-p
13μsec. 1.4Vp-p
⚠POWER C.B.A. (VEP01420AA:NV-J35B)
(VEP01420AB:NV-J35EG)
TPGND1
TP1002
TP1003
P1001
REG.45V 13
N.SW.12V 12
PW.OFF Ⓛ 11
U.REG14V 10
REG.12V 9
MT.GND 8
N.SW5.3V 7
REG.5V 6
GND 5
GND 4
REG.-29V 3
HEATER.+ 2
HEATER.- 1
D1002
MA165
C1003
6V100
C1004
16V47
D1001 MA165
13.3
C1001
16V47
0
QR1001
MRN1404
DTC144EK
FA1L4M
(POWER
OFF Ⓗ:ON)
TU.GND Ⓥ
REG.12V Ⓥ
REG.5V Ⓥ
GND Ⓥ
CYL.GND SY
REG.45V SY
U.REG14V SY
REG.12V SY
MT.GND SY
N.SW5.3V SY
REG.5V SY
PW.OFF.Ⓗ SY
GND SY
REG.12V CH
N.SW.12V CH
REG.45V CH
REG.-29V CH
HEATER.+ CH
HEATER.- CH
REG.5V CH
N.SW5.3V CH
GND CH
REG.12V Ⓐ
REG.5V Ⓐ
⚠POWER SUPPLY SECTION
IN MAIN C.B.A.
(VEP03764AB: NV-J35EG)
(VEP03764AA: NV-J35B)
V..........TO LUMINANCE & CHROMINANCE
A..........TO AUDIO
SY........TO SYSTEM CONTROL & SERVO
CH........TO CHANNEL SELECT
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
B
A

IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

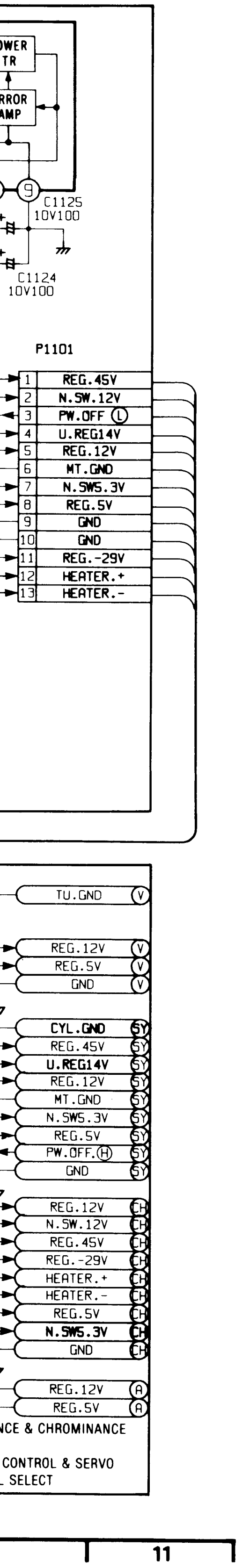
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE ..... IC1101-(4)
SECONDARY SIDE ... TP GND OF MAIN C.B.A.

NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 220V.

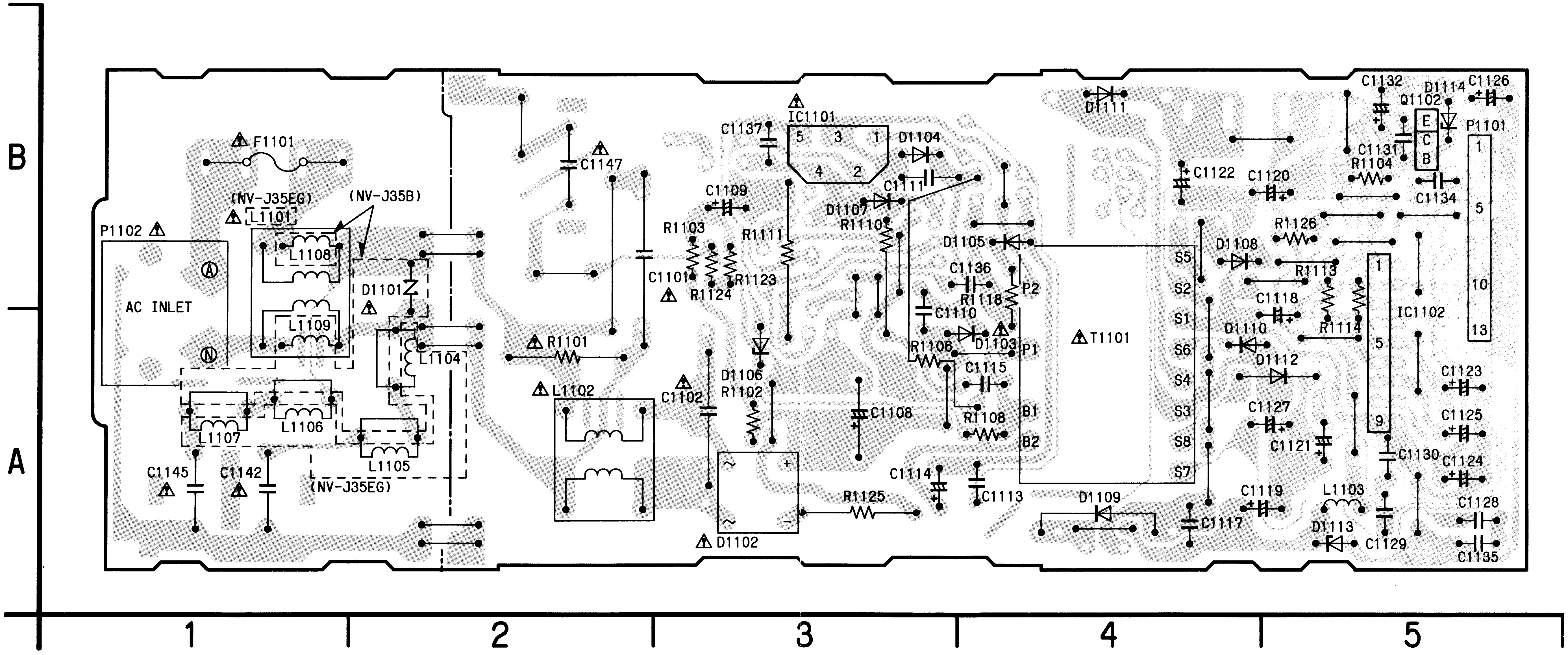
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-4. POWER C.B.A. (VEP01420AB: NV-J35EG) (VEP01420AA: NV-J35B)


OWER
TR
RROR
AMP
C1125
10V100
C1124
10V100
P1101
1 REG.45V
2 N.SW.12V
3 PW.OFF (L)
4 U.REG14V
5 REG.12V
6 MT.GND
7 N.SW5.3V
8 REG.5V
9 GND
10 GND
11 REG.-29V
12 HEATER.+
13 HEATER.-
TU.GND
REG.12V
REG.5V
GND
CYL.GND
REG.45V
U.REG14V
REG.12V
MT.GND
N.SW5.3V
REG.5V
PW.OFF.(H)
GND
REG.12V
N.SW.12V
REG.45V
REG.-29V
HEATER.+
HEATER.-
REG.5V
N.SW5.3V
GND
REG.12V
REG.5V
NCE & CHROMINANCE
CONTROL & SERVO
L SELECT
11

POWER C.B.A.	
Transistor	
Q1102	B-5
Integrated Circuit	
IC1101 IC1102	B-3 B-5
Connector	
P1101 P1102	C-5 B-1

ADDRESS INFORMATION

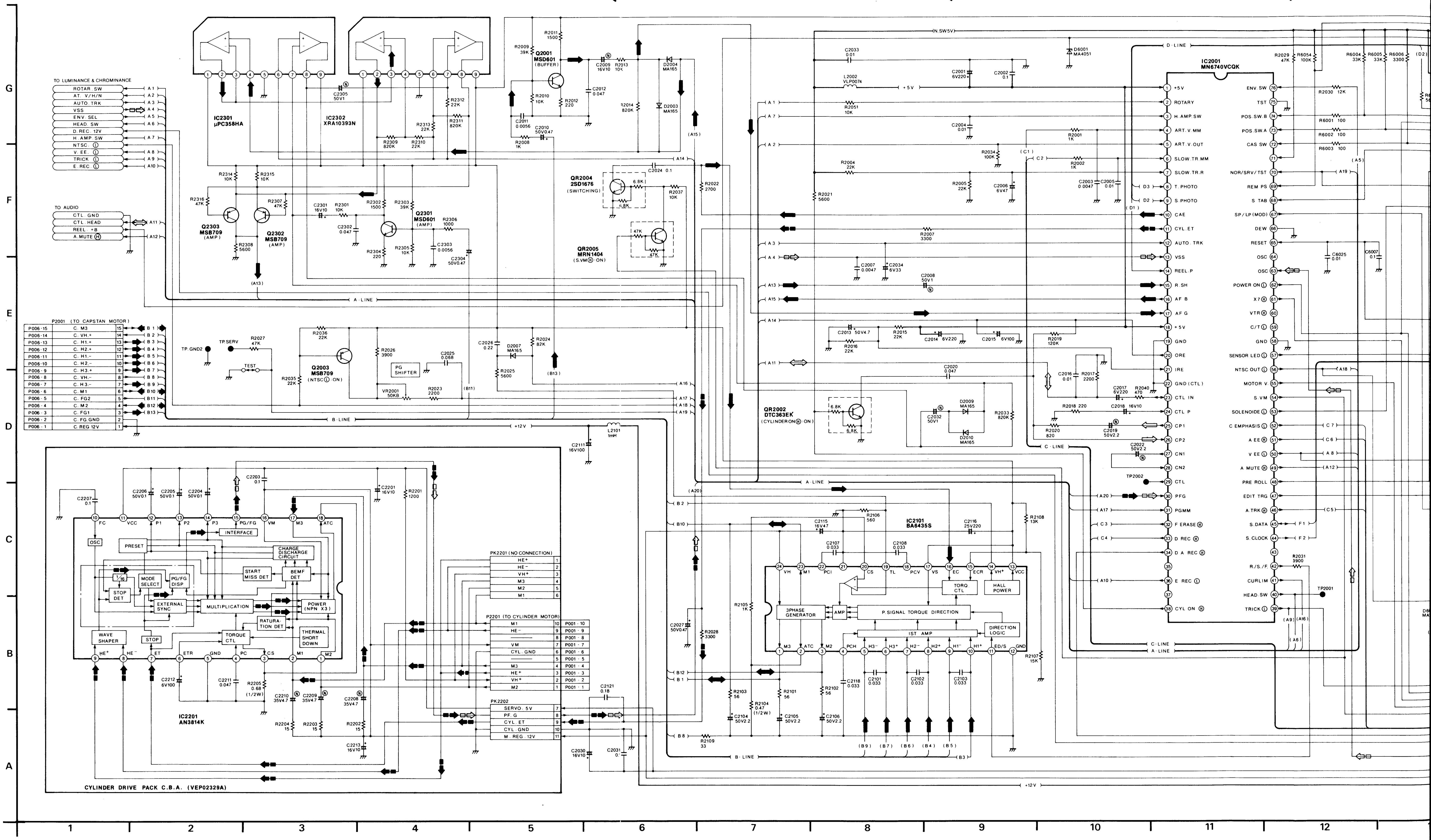

B
A
1
2
3
4
5
F1101
P1102
AC INLET
Ⓐ
Ⓝ
(NV-J35EG)
L1101
(NV-J35B)
L1108
L1109
D1101
L1104
L1107
L1106
L1105
(NV-J35EG)
C1145
C1142
C1147
R1101
L1102
C1101
R1124
R1103
R1111
R1123
C1102
D1106
R1102
D1102
C1137
IC1101
5 3 1
4 2
C1109
D1107
R1110
D1104
C1111
D1105
C1136
R1118
C1110
D1103
R1106
C1115
R1108
C1108
C1114
C1113
R1125
P2
P1
B1
B2
T1101
S5
S2
S1
S6
S4
S3
S8
S7
D1111
D1109
C1117
C1122
C1120
D1108
D1110
D1112
C1118
C1127
C1121
C1119
R1126
R1113
R1114
C1132
C1131
R1104
Q1102
E
C
B
D1114
C1126
C1134
P1101
1
5
10
13
IC1102
1
5
9
C1123
C1125
C1130
C1124
L1103
D1113
C1129
C1128
C1135

3-5. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM

CAPSTAN SERVO SPEED LOOP

CAPSTAN SERVO PHASE LOOP

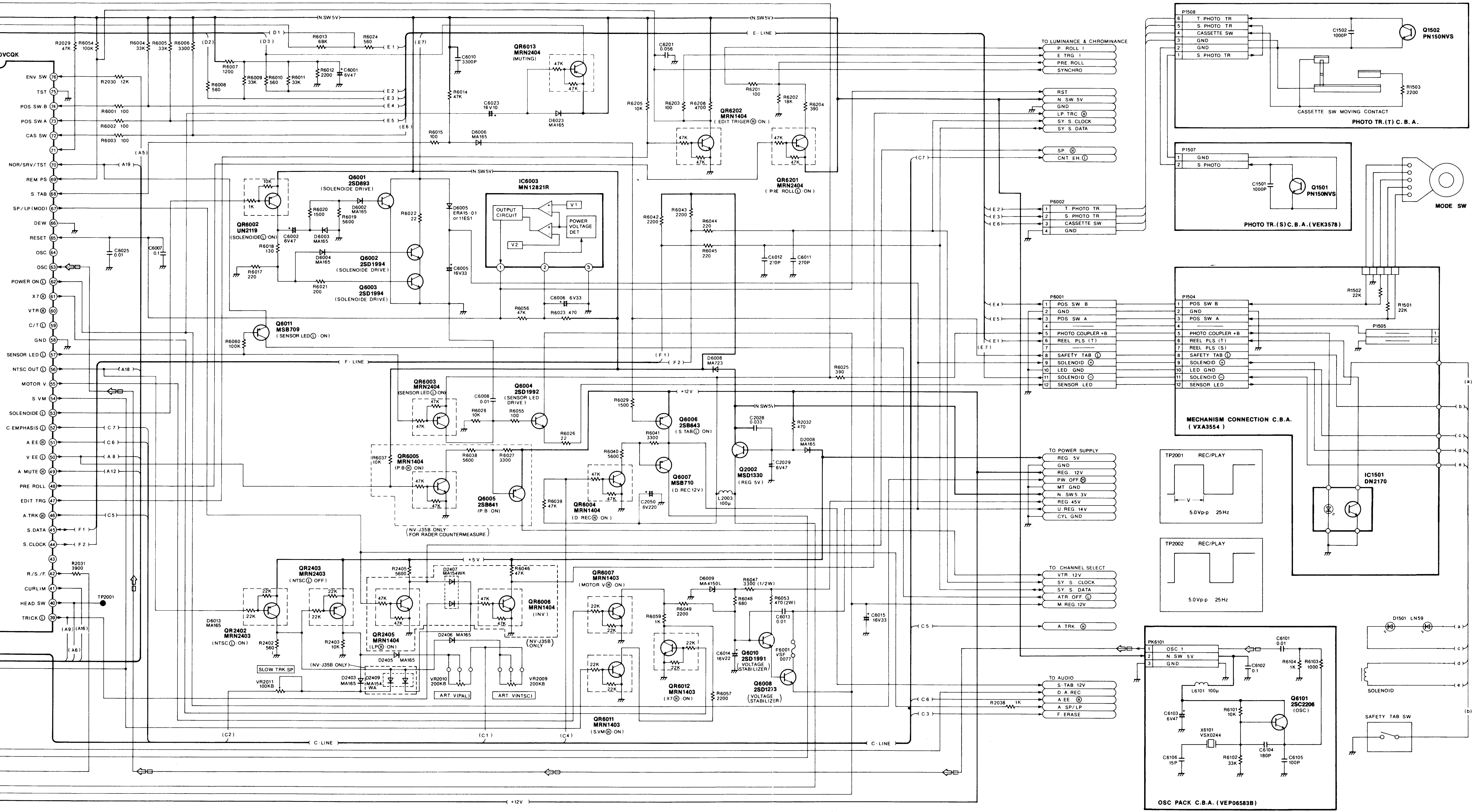
CYLINDER S



TO LUMINANCE & CHROMINANCE
ROTAR. SW
AT. V/H/N
AUTO TRK
VSS
ENV. SEL
HEAD. SW
D.REC. 12V
H.AMP. SW
NTSC. Ⓛ
V.EE. Ⓛ
TRICK Ⓛ
E.REC Ⓛ
TO AUDIO
CTL GND
CTL HEAD
REEL +B
A.MUTE Ⓗ
IC2301 μPC358HA
IC2302 XRA10393N
Q2001 MSD601 (BUFFER)
Q2301 MSD601 (AMP)
Q2302 MSB709 (AMP)
Q2303 MSB709 (AMP)
QR2004 2SD1676 (SWITCHING)
QR2005 MRN1404 (S.VMⒽ·ON)
Q2003 MSB709 (NTSCⓁ·ON)
QR2002 DTC363EK (CYLINDER ONⒽ·ON)
P2001 (TO CAPSTAN MOTOR)
TP.GND2
TP.SERV
TEST
PG SHIFTER
A·LINE
B·LINE
C·LINE
D·LINE
N.SW5V
+5V
+12V
IC2001 MN6740VCQK
+5V
ROTARY
H.AMP SW
ART. V MM
ART. V OUT
SLOW TR.MM
SLOW TR.R
T. PHOTO
S. PHOTO
CAE
CYL. ET
AUTO. TRK
VSS
REEL.P
R. SH
AF B
AF G
+5V
GND
ORE
IRE
GND (CTL)
CTL. IN
CTL. P
CP1
CP2
CN1
CN2
CTL
PFG
PGMM
F. ERASE Ⓗ
D. REC Ⓗ
D. A. REC Ⓗ
E. REC Ⓛ
CYL ON Ⓗ
ENV. SW
TST
POS. SW. B
POS. SW. A
CAS SW
NOR/SRV/TST
REM PS
S TAB
SP/LP (MOD)
DEW
RESET
OSC
OSC
POWER ON Ⓛ
X'7 Ⓗ
VTR Ⓗ
C/T Ⓛ
GND
SENSOR LED Ⓛ
NTSC OUT Ⓛ
MOTOR V
S. V.M
SOLENOIDE Ⓛ
C EMPHASIS Ⓛ
A EE Ⓗ
V EE Ⓛ
A. MUTE Ⓗ
PRE ROLL
EDIT TRG
A. TRK Ⓗ
S. DATA
S. CLOCK
R./S./F.
CURLIM
HEAD SW
TRICK Ⓛ
TP2001
TP2002
IC2101 BA6435S
3PHASE GENERATOR
AMP
P. SIGNAL TORQUE DIRECTION
IST AMP
DIRECTION LOGIC
TORQ CTL
HALL POWER
IC2201 AN3814K
OSC
PRESET
INTERFACE
CHARGE DISCHARGE CIRCUIT
START MISS DET
BEMF DET
MODE SELECT
PG/FG DISP
STOP DET
EXTERNAL SYNC
MULTIPLICATION
POWER (NPN X3)
RATURATION DET
TORQUE CTL
THERMAL SHORT DOWN
WAVE SHAPER
STOP
PK2201 (NO CONNECTION)
P2201 (TO CYLINDER MOTOR)
PK2202
SERVO. 5V
PF. G
CYL. ET
CYL. GND
M. REG. 12V
CYLINDER DRIVE PACK C.B.A. (VEP02329A)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

Back Page:
POWER Section

CYLINDER SERVO SPEED LOOP   CYLINDER SERVO PHASE LOOP

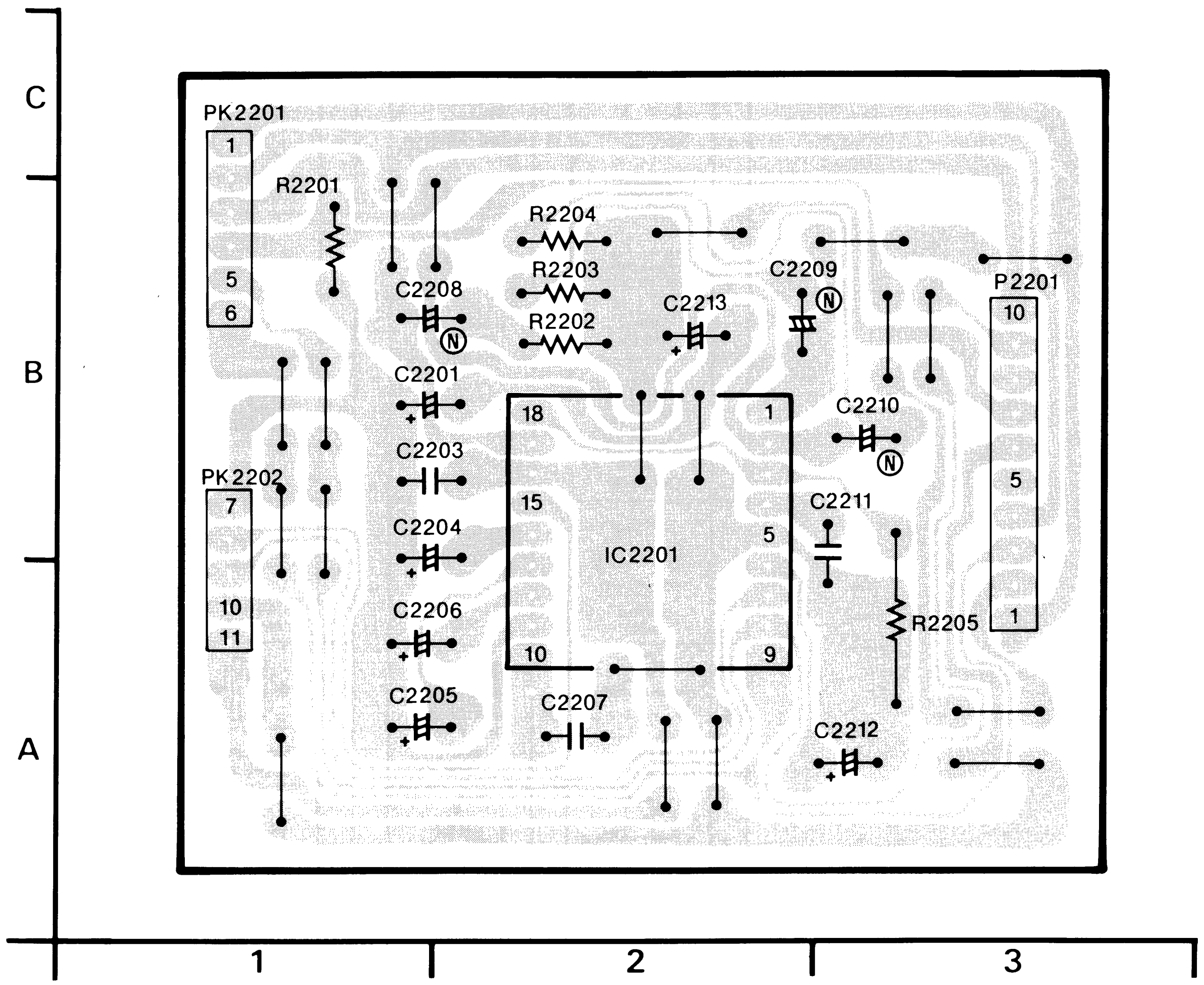


DVCQK
ENV. SW 76
TST 75
POS. SW. B 74
POS. SW. A 73
CAS SW 72
71
NOR/SRV/TST 70
REM PS 69
S TAB 68
SP/LP(MOD) 67
DEW 66
RESET 65
OSC 64
OSC 63
POWER ON Ⓛ 62
X7 Ⓗ 61
VTR Ⓗ 60
C/T Ⓛ 59
GND 58
SENSOR LED Ⓛ 57
NTSC OUT Ⓛ 56
MOTOR V. 55
S VM 54
SOLENOIDE Ⓛ 53
C EMPHASIS Ⓛ 52
A EE Ⓗ 51
V EE Ⓛ 50
A MUTE Ⓗ 49
PRE ROLL 48
EDIT TRG 47
A.TRK Ⓗ 46
S.DATA 45
S.CLOCK 44
43
R/S/F. 42
CURLIM 41
HEAD.SW 40
TRICK Ⓛ 39
TP2001
SLOW TRK SP
QR6013 MRN2404 (MUTING)
Q6001 2SD893 (SOLENOIDE DRIVE)
QR6002 UN2119 (SOLENOIDEⓁ·ON)
Q6002 2SD1994 (SOLENOIDE DRIVE)
Q6003 2SD1994 (SOLENOIDE DRIVE)
IC6003 MN12821R
OUTPUT CIRCUIT
POWER VOLTAGE DET
Q6011 MSB709 (SENSOR LEDⓁ·ON)
QR6202 MRN1404 (EDIT TRIGERⒽ·ON)
QR6201 MRN2404 (P.RE ROLLⓁ·ON)
QR6003 MRN2404 (SENSOR LEDⓁON)
Q6004 2SD1992 (SENSOR LED DRIVE)
QR6005 MRN1404 (P.BⒽ·ON)
Q6005 2SB641 (P.B·ON)
(NV-J35B ONLY FOR RADER COUNTERMEASURE)
Q6006 2SB643 (S.TABⓁ·ON)
Q6007 MSB710 (D.REC 12V)
QR6004 MRN1404 (D.RECⒽ·ON)
Q2002 MSD1330 (REG 5V)
QR2403 MRN2403 (NTSCⓁ·OFF)
QR2402 MRN2403 (NTSCⓁ·ON)
QR2405 MRN1404 (LPⒽ·ON)
QR6006 MRN1404 (INV)
(NV-J35B ONLY)
ART V(PAL)
ART V(NTSC)
QR6007 MRN1403 (MOTOR VⒽ·ON)
QR6012 MRN1403 (X7Ⓗ·ON)
Q6010 2SD1991 (VOLTAGE STABILIZER)
Q6008 2SD1213 (VOLTAGE STABILIZER)
QR6011 MRN1403 (S.VMⒽ·ON)
F-LINE
C-LINE
E-LINE
(N.SW5V)
(+12V)
(+5V)
TO LUMINANCE & CHROMINANCE
P.ROLL I
E.TRG I
PRE.ROLL
SYNCHRO
RST
N.SW.5V
GND
LP.TRC Ⓗ
SY S.CLOCK
SY S.DATA
SP Ⓗ
CNT.EH.Ⓛ
P6002
T PHOTO TR
S.PHOTO TR
CASSETTE SW
GND
P1508
Q1502 PN150NVS
CASSETTE SW MOVING CONTACT
PHOTO TR.(T) C.B.A.
P1507
S.PHOTO
Q1501 PN150NVS
PHOTO TR.(S) C.B.A.(VEK3578)
MODE SW
P6001
P1504
P1505
POS SW B
POS SW A
PHOTO COUPLER +B
REEL PLS (T)
REEL PLS (S)
SAFETY TAB Ⓛ
SOLENOID ⊕
LED GND
SOLENOID ⊖
SENSOR LED
MECHANISM CONNECTION C.B.A. (VXA3554)
TO POWER SUPPLY
REG. 5V
REG. 12V
PW OFF Ⓗ
MT GND
N.SW 5.3V
REG. 45V
U.REG. 14V
CYL GND
IC1501 DN2170
TP2001 REC/PLAY
5.0Vp-p 25Hz
TP2002 REC/PLAY
5.0Vp-p 25Hz
TO CHANNEL SELECT
VTR 12V
SY S. CLOCK
SY. S. DATA
ATR OFF Ⓛ
M. REG. 12V
A.TRK Ⓗ
TO AUDIO
S.TAB 12V
D.A.REC
A.EE Ⓗ
A SP/LP
F. ERASE
PK6101
OSC 1
N.SW 5V
Q6101 2SC2206 (OSC)
X6101 VSX0244
OSC PACK C.B.A. (VEP06583B)
D1501 LN59
SOLENOID
SAFETY TAB SW

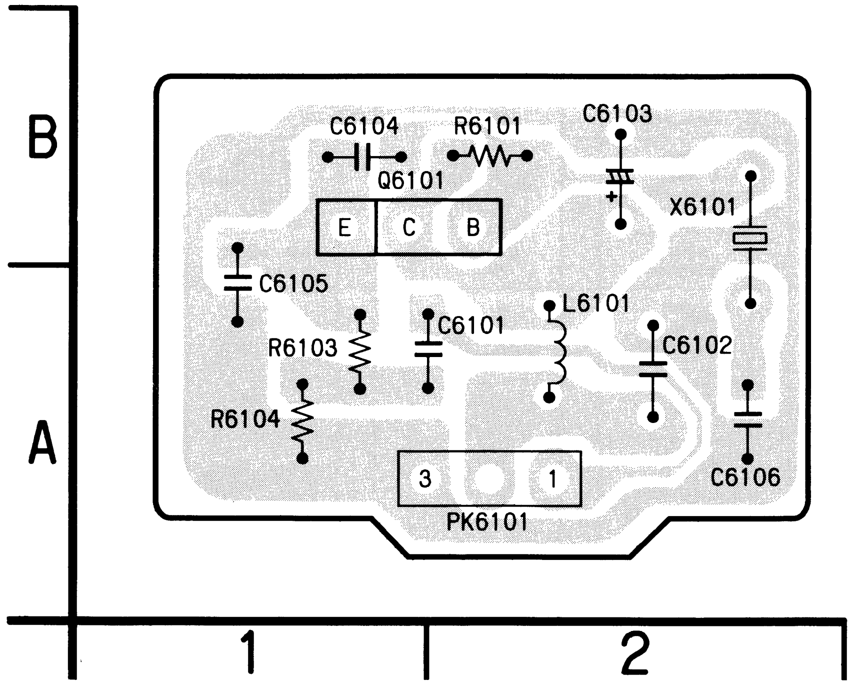
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

12 13 14 15 16 17 18 19 20 21 22 23

3-6. CYLINDER DRIVE PACK C.B.A. (VEP02329A)


C
B
A
1
2
3
PK2201
1
5
6
R2201
R2204
R2203
R2202
C2208
Ⓝ
C2213
C2209
Ⓝ
P2201
10
C2201
C2203
C2204
C2206
C2205
PK2202
7
10
11
18
1
15
5
IC2201
10
9
C2210
Ⓝ
C2211
R2205
5
1
C2207
C2212

3-7. OSC PACK C.B.A. (VEP06583B)


B
A
1
2
C6104
R6101
C6103
Q6101
E
C
B
X6101
C6105
R6103
C6101
L6101
C6102
R6104
C6106
3
1
PK6101

CYLINDER DRIVE PACK C.B.A.	
Integrated Circuit	
IC2201	B-2
Connector	
P2201 PK2201 PK2202	B-3 C-1 B-1

ADDRESS INFORMATION

OSC PACK C.B.A.	
Transistor	
Q6101	B-1
Connector	
PK6101	A-2

ADDRESS INFORMATION

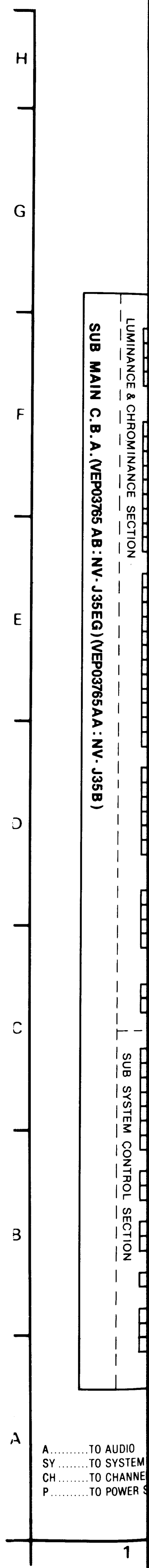
SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART

REF. NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	0	0	2.5	3.3	3.3	2.5	4.3	1.7	2.5	0.3	2.5	2.5	2.5	5.1	0	2.5
PLAY	5.1	2.6	0	0	0	0	2.5	3.3	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	0	2.5
FF	5.1	5.1	0	0	0	0	2.5	3.3	3.3	2.5	4.3	1.7	2.5	1.9	2.5	2.5	2.5	5.1	0	2.5
REF. NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.5	0	2.5	2.5	1.2	2.9	3.9	2.1	5.1	5.1	0	0	0	0	3.1	0.2	5.1	0	5.1	0
PLAY	2.5	0	2.5	2.5	1.2	2.5	4.1	3.0	3.0	1.1	3.0	0	0	0	3.1	0.2	5.1	5.0	5.1	2.5
FF	2.5	0	2.5	2.5	1.4	1.5	3.7	3.4	3.0	5.1	0	0	0	0	3.1	0.2	5.1	0	5.1	0
REF. NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.9	2.1	0	4.7	4.2	0	0	5.1	0	0	5.1	0	5.1	0	0	5.1	4.7	0	0	0
PLAY	5.0	0	0	4.7	4.5	5.0	0	5.1	0	5.1	0	5.1	5.1	0	5.1	5.1	4.7	0	0	0
FF	5.0	0	0	4.7	4.6	0	0	5.1	0	0	5.1	0	5.1	0	0	5.1	4.7	0	0	0
REF. NO.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76				
STOP	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	5.1	2.0	0	0				
PLAY	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	0	5.1	0	4.5				
FF	0	0	—	—	5.1	0	0	0.5	5.0	4.9	5.1	2.0	5.1	2.0	0	0				
REF. NO.	IC2101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	7.1	0	7.1	1.4	2.0	2.1	2.1	2.1	2.1	2.1	2.1	0	5.1	3.7	2.7	2.6	5.1	0	0.4	0
PLAY	1.4	0	1.4	1.3	2.1	2.1	2.1	2.1	2.1	2.1	0	0	5.1	3.8	2.7	2.5	5.1	0.6	0.4	0.1
FF	3.3	0	3.3	1.3	2.1	2.1	2.1	2.1	2.1	2.1	0	0	5.1	3.8	2.7	2.5	5.1	0.6	0.4	0
REF. NO.	IC2101										IC2301									
MODE	21	22	23	24							1	2	3	4	5	6	7	8	9	
STOP	0	0.6	7.1	13.8							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
PLAY	0	0.6	1.4	10.1							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
FF	0	0.6	3.3	13.8							5.1	2.6	2.6	2.6	0	2.6	2.6	2.5	5.1	
REF. NO.	IC2302										IC6003									
MODE	1	2	3	4	5	6	7	8	9		1	2	3							
STOP	5.1	0.6	2.6	2.5	0	2.5	2.6	0.6	5.1		5.1	5.1	0							
PLAY	5.1	1.7	2.6	2.5	0	2.5	2.6	1.7	5.1		5.1	5.1	0							
FF	5.1	1.5	2.6	2.5	0	2.5	2.6	1.5	5.1		5.1	5.1	0							

SYSTEM CONTROL & SERVO TRANSISTORs DC VOLTAGE CHART

REF. NO.	Q2001			Q2002			Q2003			Q2301			Q2302			Q2303		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.4	5.1	0.4	2.5	1.0	0.6	0	0.6	0.6	0	0.6
PLAY	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.7	5.1	0.4	2.5	1.0	1.7	0.9	1.7	1.7	0.9	1.9
FF	0.4	2.5	1.0	5.2	5.4	5.8	5.1	4.4	5.1	0.4	2.5	1.0	1.5	1.0	1.5	1.5	1.0	1.8
REF. NO.	Q6001			Q6002			Q6003			Q6004			Q6006			Q6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	16.0	0.1	0.2	16.0	0.2	0	0.2	0	0.8	14.0	0.6	12.2	12.2	11.5	12.2	0	12.2
PLAY	0	15.8	0.2	0.2	15.8	0.2	0	0.2	0	0.8	10.3	0.6	12.2	12.2	11.5	12.2	−0.2	12.2
FF	0	15.9	0.2	0.2	15.9	0.2	0	0.2	0	0.8	14.0	0.6	12.2	12.2	11.5	12.2	0	12.2
REF. NO.	Q6008			Q6010			Q6011											
MODE	E	C	B	E	C	B	E	C	B									
STOP	14.0	15.7	14.5	14.5	43.9	15.0	4.8	2.1	4.8									
PLAY	10.3	15.6	10.9	10.9	43.9	11.4	4.8	2.1	4.8									
FF	14.0	15.6	14.6	14.6	43.9	15.1	4.6	2.1	4.8									
REF. NO.	QR2002			QR2004			QR2005			QR2402			QR2403			QR2405		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
PLAY	0	0	5.0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
FF	0	0.9	0	0	0	2.5	0	2.5	0	5.1	0	5.1	5.1	5.1	0	0	4.6	0
REF. NO.	QR6002			QR6003			QR6004			QR6006			QR6007			QR6011		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	0	5.1	5.1	0.6	4.5	0	12.2	0	0	0	4.6	0	15.0	0	0	15.0	0
PLAY	5.1	0	5.1	5.0	0.6	4.6	0	12.2	0	0	0	4.6	0	0.1	5.0	0	0.1	0
FF	5.1	0	5.1	5.0	0.6	4.5	0	12.2	0	0	0	4.6	0	15.1	0	0	15.1	0
REF. NO.	QR6012			QR6201			QR6202											
MODE	E	C	B	E	C	B	E	C	B									
STOP	0	15.0	0	5.1	0	5.1	0	5.1	0									
PLAY	0	0.1	0	5.1	0	5.1	0	5.1	0									
FF	0	15.1	0	5.1	0	5.1	0	5.1	0									

3-8. LU

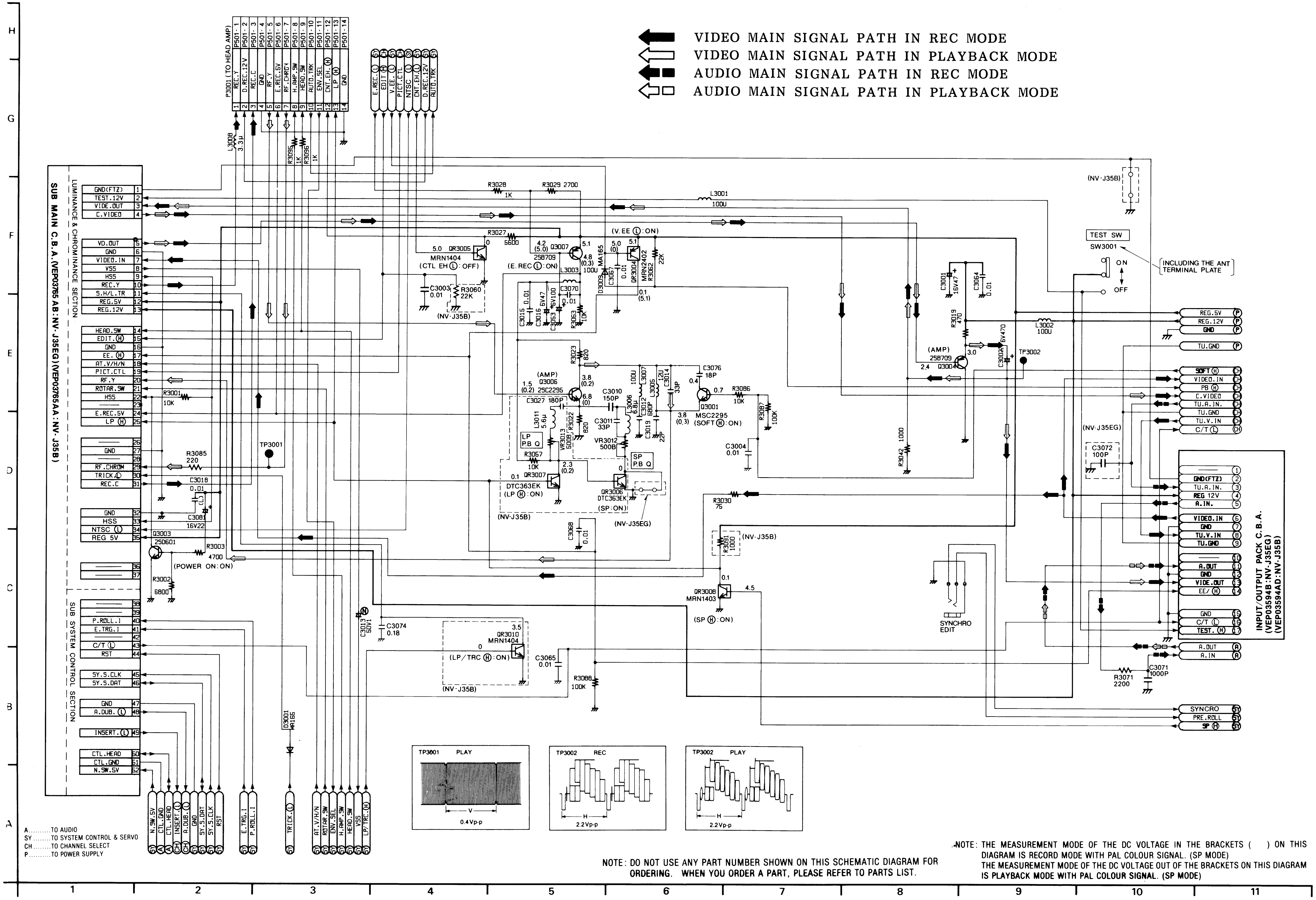

H
G
F
E
D
C
B
A
1
LUMINANCE & CHROMINANCE SECTION
SUB MAIN C.B.A. (VEP03765 AB : NV-J35EG) (VEP03765AA : NV-J35B)
SUB SYSTEM CONTROL SECTION
A..........TO AUDIO
SY........TO SYSTEM
CH........TO CHANNE
P..........TO POWER

7	18	19	20
5	5.1	0	2.5
5	5.1	0	2.5
5	5.1	0	2.5
7	38	39	40
1	0	5.1	0
1	5.0	5.1	2.5
1	0	5.1	0
7	58	59	60
7	0	0	0
7	0	0	0
7	0	0	0
7	18	19	20
1	0	0.4	0
1	0.6	0.4	0.1
1	0.6	0.4	0
	8	9	
6	2.5	5.1	
6	2.5	5.1	
6	2.5	5.1	

RT

03	
	B
	0.6
9	1.9
0	1.8
07	
	B
	12.2
2	12.2
	12.2
405	
	B
	0
	0
	0
011	
	B
0	0
	0
1	0

3-8. LUMINANCE & CHROMINANCE SCHEMATIC DIAGRAM



SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)
LUMINANCE & CHROMINANCE SECTION
SUB SYSTEM CONTROL SECTION
GND(FTZ)
TEST.12V
VIDE.OUT
C.VIDEO
VD.OUT
GND
VIDEO.IN
VSS
HSS
REC.Y
S.H/L.TR
REG.5V
REG.12V
HEAD.SW
EDIT.Ⓗ
GND
EE.Ⓗ
AT.V/H/N
PICT.CTL
RF.Y
ROTAR.SW
HSS
E.REC.5V
LP Ⓗ
GND
RF.CHROM
TRICK.Ⓛ
REC.C
GND
HSS
NTSC Ⓛ
REG 5V
P.ROLL.I
E.TRG.I
C/T Ⓛ
RST
SY.S.CLK
SY.S.DAT
GND
A.DUB.Ⓛ
INSERT.Ⓛ
CTL.HEAD
CTL.GND
N.SW.5V
P3001 (TO HEAD AMP)
P501·1 … P501·14
REC.Y
D.REC.12V
REC.C
GND
RF.Y
E.REC.5V
RF.CHRO
H.AMP.SW
HEAD.SW
ENV.SEL
AUTO.TRK
CNT.EH.Ⓗ
LP Ⓗ
GND
E.REC.Ⓛ
EDIT.Ⓗ
V.EE.Ⓛ
PICT.CTL
NTSC Ⓛ
CNT.EH.Ⓛ
D.REC.12V
AUTO.TRK
L3008 3.3μ
R3095 1K
R3096 1K
R3028 1K
R3029 2700
L3001 100U
R3027 5600
QR3005 MRN1404 (CTL EH Ⓛ: OFF)
Q3007 2SB709 (E.REC Ⓛ: ON)
L3003 100U
D3009 MA165
QR3004 MRN2402
R3062 22K
(V.EE Ⓛ: ON)
C3003 0.01
R3060 22K
(NV-J35B)
C3015 0.01
C3016 6V47
C3053 6V100
C3070 0.01
R3063 10K
R3023 820
(AMP) Q3006 2SC2295
C3027 180P
L3011 5.6μ
VR3013 500B
R3022 820
C3010 150P
C3011 33P
VR3012 500B
L3006 6.8μ
C3012 680P
L3007 100U
L3005 12U
C3014 33P
C3019 22P
C3076 18P
Q3001 MSC2295 (SOFT Ⓗ: ON)
R3086 10K
R3087 100K
C3004 0.01
LP PB Q
R3057 10K
QR3007 DTC363EK (LP Ⓗ: ON)
QR3006 DTC363EK (SP: ON)
SP PB Q
(NV-J35EG)
C3068 0.01
R3001 10K
R3085 220
C3018 0.01
C3081 16V22
Q3003 2SD601
R3003 4700
(POWER ON: ON)
R3002 6800
TP3001
C3013 50V1
C3074 0.18
QR3010 MRN1404 (LP/TRC Ⓗ: ON)
C3065 0.01
R3088 100K
D3001 MA165
R3030 75
R3031 1000 (NV-J35B)
QR3008 MRN1403 (SP Ⓗ: ON)
R3042 1000
(AMP) 2SB709 Q3004
C3001 16V47
C3064 0.01
R3019 470
C3002 6V470
TP3002
L3002 100U
TEST SW SW3001 ON OFF
(INCLUDING THE ANT TERMINAL PLATE)
(NV-J35B)
(NV-J35EG) C3072 100P
SYNCHRO EDIT
R3071 2200
C3071 1000P
REG.5V
REG.12V
GND
TU.GND
SOFT Ⓗ
VIDEO.IN
PB Ⓗ
C.VIDEO
TU.A.IN.
TU.GND
TU.V.IN
C/T Ⓛ
INPUT/OUTPUT PACK C.B.A. (VEP03594B: NV-J35EG) (VEP03594AD: NV-J35B)
GND(FTZ)
TU.A.IN.
REG 12V
A.IN.
VIDEO.IN
GND
TU.V.IN
TU.GND
A.OUT
GND
VIDE.OUT
EE/Ⓗ
GND
C/T Ⓛ
TEST. Ⓗ
A.OUT
A.IN
SYNCRO
PRE.ROLL
SP Ⓗ
TP3001 PLAY 0.4Vp-p V
TP3002 REC 2.2Vp-p H
TP3002 PLAY 2.2Vp-p H
N.SW.5V
CTL.GND
CTL.HEAD
INSERT.Ⓛ
A.DUB.Ⓛ
GND
SY.S.DAT
SY.S.CLK
RST
E.TRG.I
P.ROLL.I
TRICK.Ⓛ
AT.V/H/N
ROTAR.SW
ENV.SEL
H.AMP.SW
HEAD.SW
VSS
LP/TRC.Ⓗ
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11

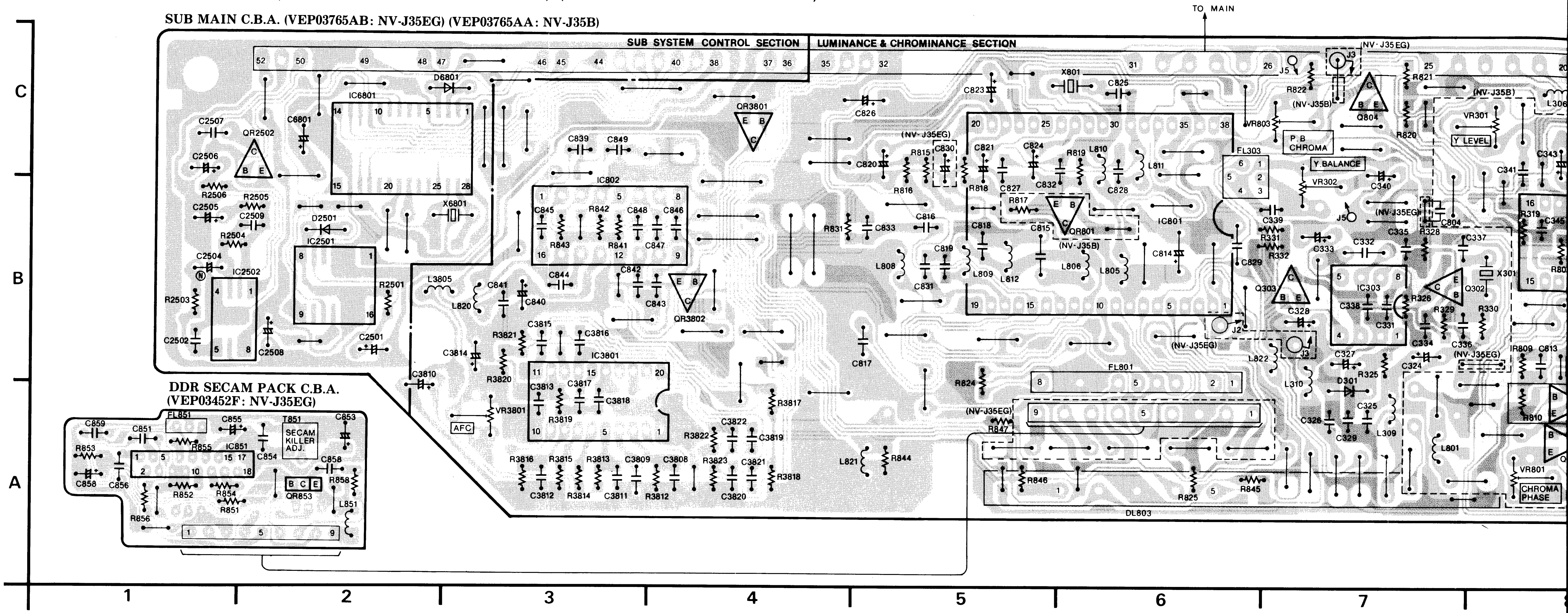
- ⬅ VIDEO MAIN SIGNAL PATH IN REC MODE
- ⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
- ⬅■ AUDIO MAIN SIGNAL PATH IN REC MODE
- ⇦□ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

A.........TO AUDIO
SY.........TO SYSTEM CONTROL & SERVO
CH.........TO CHANNEL SELECT
P.........TO POWER SUPPLY

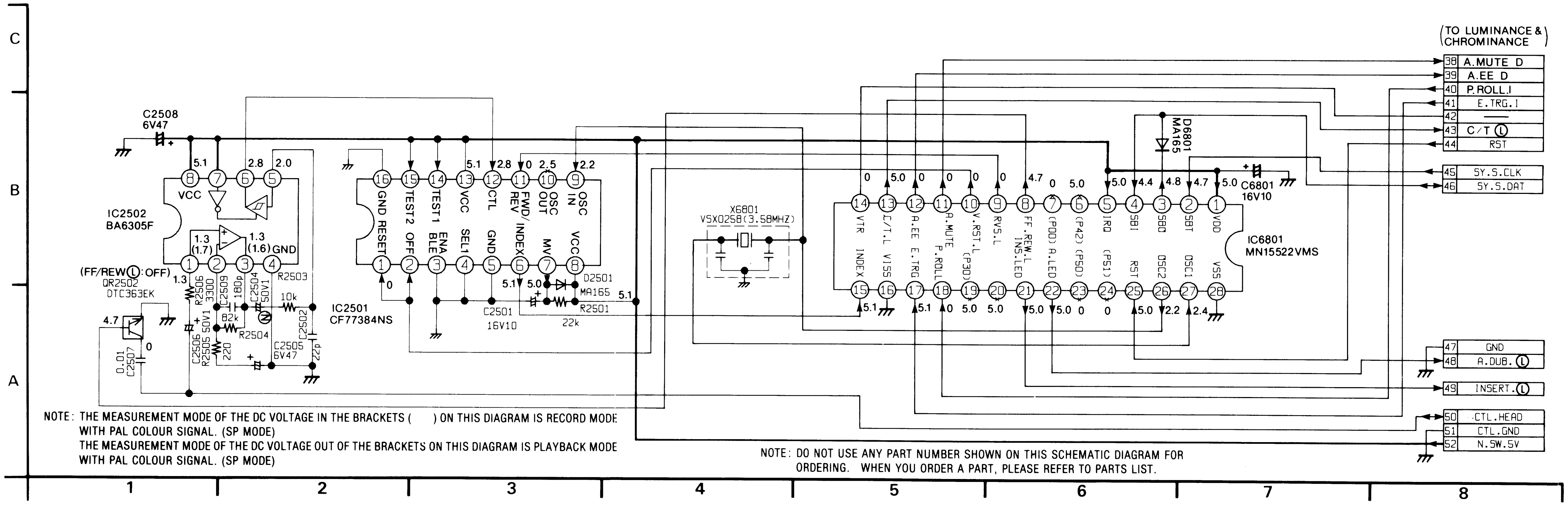
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

3-9. SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)


SUB MAIN C.B.A. (VEP03765AB: NV-J35EG) (VEP03765AA: NV-J35B)
TO MAIN
SUB SYSTEM CONTROL SECTION
LUMINANCE & CHROMINANCE SECTION
DDR SECAM PACK C.B.A.
(VEP03452F: NV-J35EG)
IC6801
IC2501
IC2502
IC802
IC3801
IC801
IC303
IC851
QR2502
QR3801
QR3802
QR801
QR853
Q804
Q303
Q302
X6801
X801
X301
D6801
D2501
D301
FL801
FL303
FL851
DL803
VR3801
VR803
VR302
VR301
VR801
AFC
P.B CHROMA
Y BALANCE
Y LEVEL
CHROMA PHASE
SECAM KILLER ADJ.
(NV-J35EG)
(NV-J35B)
J2
J3
J5
C
B
A
1
2
3
4
5
6
7

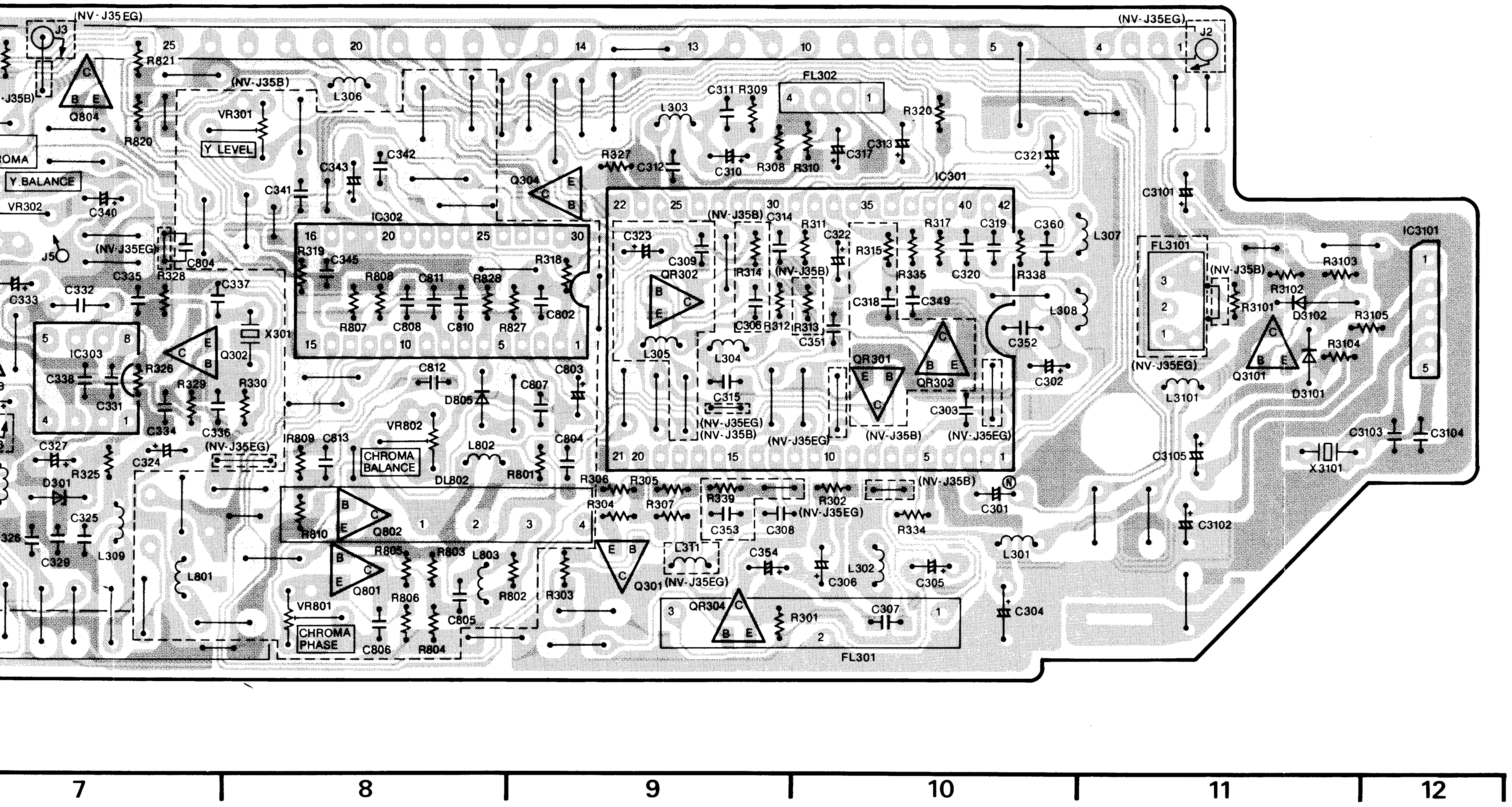
3-10. SUB MAIN (SUB SYSTEM CONTROL) SCHEMATIC DIAGRAM


C2508 6V47
IC2502 BA6305F
VCC
GND
(FF/REW Ⓛ: OFF)
QR2502 DTC363EK
C2507 0.01
R2506 3300
C2506 50V1
C2509 180p
R2505 220
C2504 50V1
R2504 82k
R2503 10k
C2505 6V47
C2502 22p
IC2501 CF77384NS
GND RESET
TEST2 OFF
TEST1 ENABLE
VCC SEL1
CTL GND
FWD/REV INDEX
OSC OUT MV
OSC IN VCC
C2501 16V10
D2501 MA165
R2501 22k
X6801 VSX0258(3.58MHZ)
D6801 MA165
C6801 16V10
IC6801 MN15522VMS
VTR INDEX
C/T.L V155
A.EE E.TRG
A.MUTE P.ROLL
V.RST.L (P30)
RVS.L
FF.REW.L INS.LED
(P00) A.LED
(P42) (P50)
IRQ (P51)
SBI RST
SBO OSC2
SBT OSC1
VDD VSS
(TO LUMINANCE & CHROMINANCE)
38 A.MUTE D
39 A.EE D
40 P.ROLL.I
41 E.TRG.I
42 —
43 C/T Ⓛ
44 RST
45 SY.S.CLK
46 SY.S.DAT
47 GND
48 A.DUB. Ⓛ
49 INSERT. Ⓛ
50 CTL.HEAD
51 CTL.GND
52 N.SW.5V
C
B
A
1
2
3
4
5
6
7
8

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
CYLINDER DRIVE/
OSC/LUMINANCE &
CHROMINANCE Section

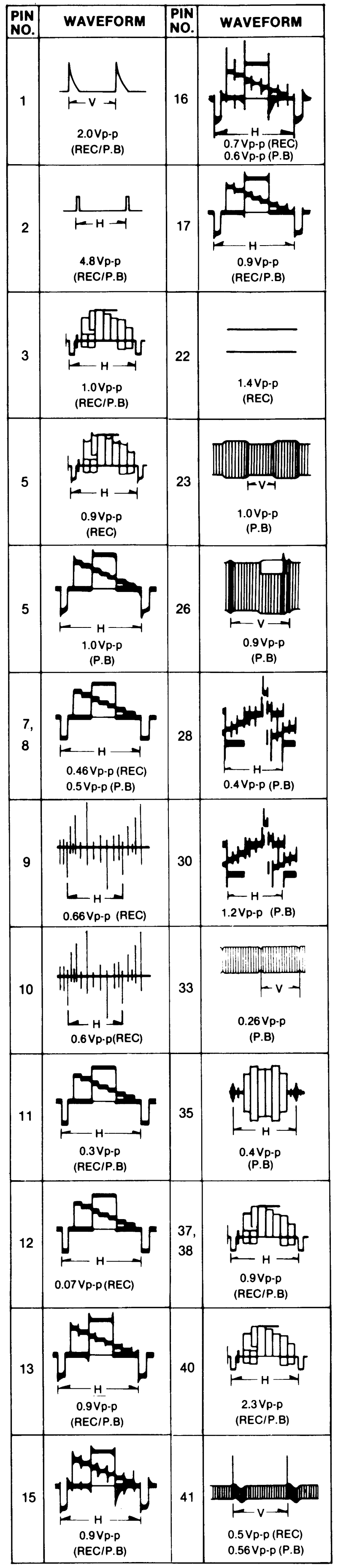

(NV-J35EG)
J3
25
R821
20
14
13
10
5
4
1
J2
Q804
(NV-J35B)
VR301
Y LEVEL
R820
L306
L303
C311 R309
FL302
R320
Y BALANCE
VR302
C340
C343
C342
R327
C312
C310 R308 R310
C313
C317
C321
C341
Q304
IC301
C3101
(NV-J35EG)
J5
C804
R319
C345
IC302
16
30
R318
C323
C309
QR302
(NV-J35B)
C314
R311
C322
R315
R317
C319
C360
L307
FL3101
IC3101
C335
R328
C337
R808
C811
R828
R314
R335
C320
R338
R3103
C333
C332
R807
C808
C810
R827
C802
C306
R312
R313
C318
C349
R3102
R3101
D3102
R3105
L308
IC303
Q302
X301
C351
C352
C338
C331
R326
R329
R330
C812
D805
C807
C803
L305
L304
QR301
QR303
C302
R3104
Q3101
D3101
L3101
C334
C336
VR802
C315
C303
C327
C324
R809
C813
CHROMA BALANCE
L802
R801
C804
21 20
15
10
C3103
C3104
X3101
C3105
D301
R325
DL802
R306
R305
R339
(NV-J35B)
C301
C325
R304
R307
R302
R334
C353
C308
C3102
R810
Q802
R805
R803
L803
L311
C354
L301
C329
L309
L801
Q801
R802
R303
Q301
C306
L302
C305
VR801
R806
QR304
R301
C307
C304
CHROMA PHASE
C805
C806
R804
FL301
7
8
9
10
11
12

LUMINANCE &
OMINANCE
.MUTE D
.EE D
P.ROLL.I
E.TRG.I
C/T Ⓛ
RST
SY.S.CLK
SY.S.DAT
GND
A.DUB. Ⓛ
INSERT. Ⓛ
-CTL.HEAD
CTL.GND
N.SW.5V

SUB MAIN C.B.A.			
Transistor		IC303	B-7
Q301	A-9	IC801	B-6
Q302	B-7	IC802	B-3
Q303	B-7	IC851	A-1
Q304	C-9	IC2501	B-2
Q801	A-8	IC2502	B-2
Q802	A-8	IC3101	B-10
Q804	C-7	IC3801	A-3
Q3101	B-11	IC6801	C-2
Transistor & Resistor		**Adjustment**	
QR301	B-10	T851	A-2
QR302	B-9	VR301	C-7
QR303	B10	VR302	C-7
QR304	A-9	VR801	A-8
QR801	B-6	VR802	B-8
QR853	A-2	VR803	C-7
QR2502	C-2	VR3801	A-3
QR3801	C-4		
QR3802	B-4		
Integrated Circuit			
IC301	B-10		
IC302	B-8		

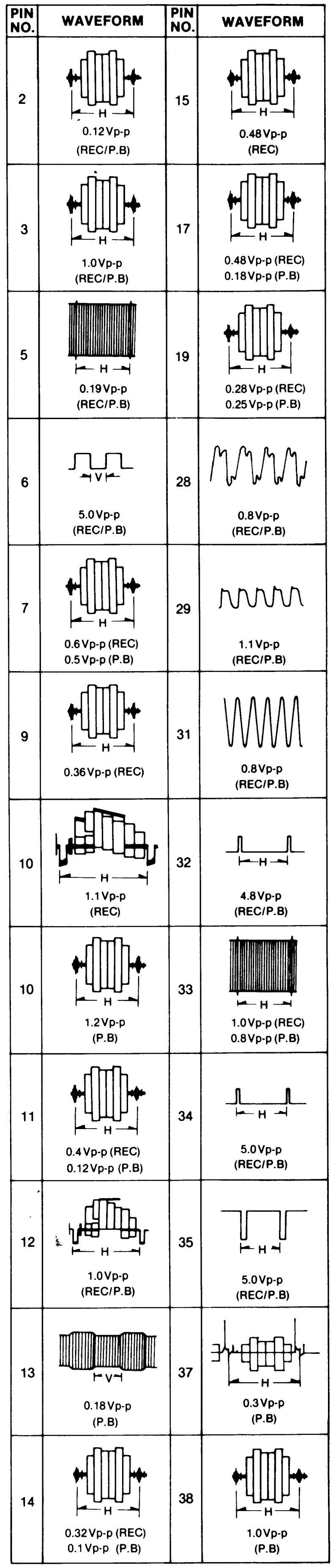
ADDRESS INFORMATION

IC301 (VEFH03D)



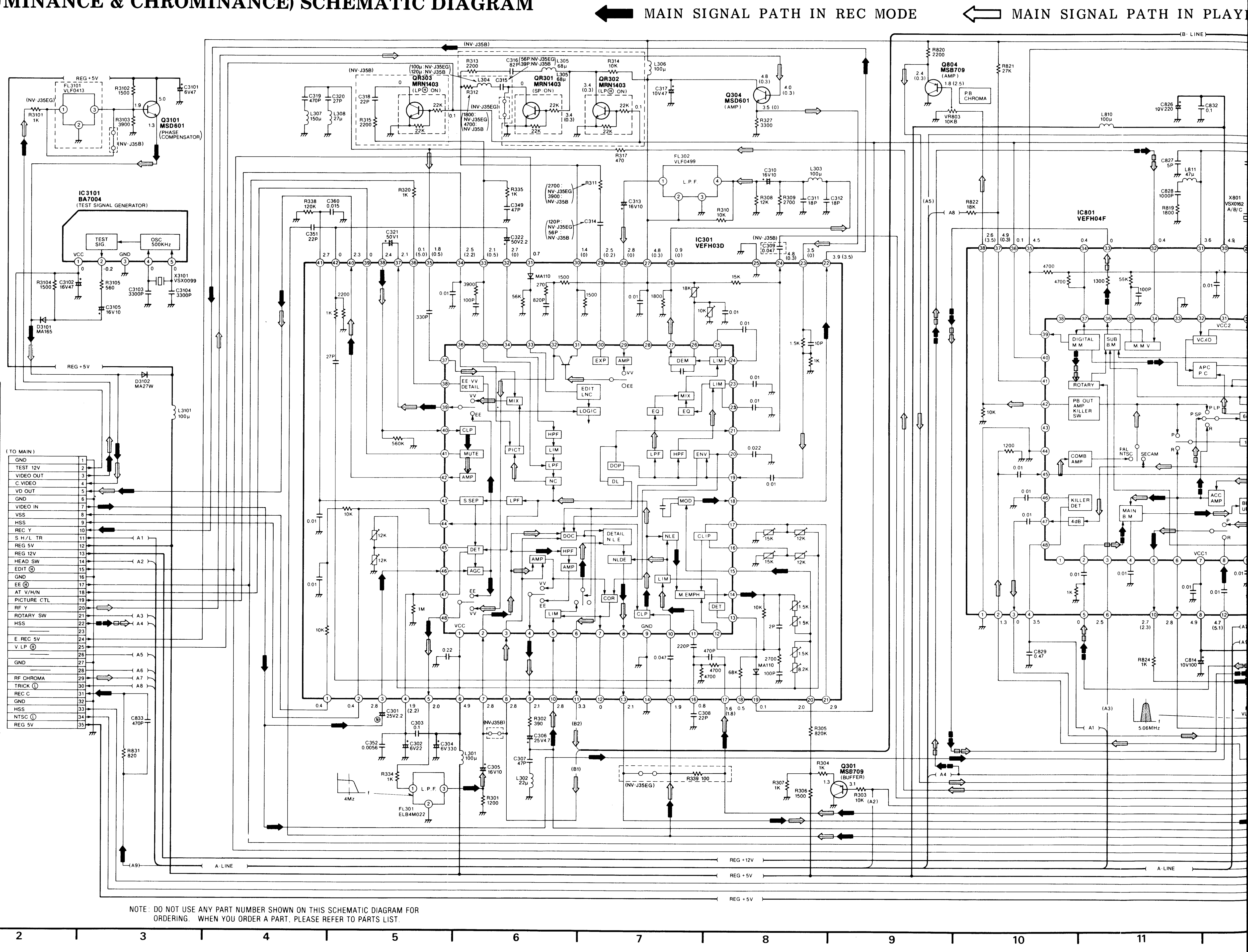
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
1	V 2.0Vp-p (REC/P.B)	16	H 0.7Vp-p (REC) 0.6Vp-p (P.B)
2	H 4.8Vp-p (REC/P.B)	17	H 0.9Vp-p (REC/P.B)
3	H 1.0Vp-p (REC/P.B)	22	1.4Vp-p (REC)
5	H 0.9Vp-p (REC)	23	V 1.0Vp-p (P.B)
5	H 1.0Vp-p (P.B)	26	V 0.9Vp-p (P.B)
7, 8	H 0.46Vp-p (REC) 0.5Vp-p (P.B)	28	H 0.4Vp-p (P.B)
9	H 0.66Vp-p (REC)	30	H 1.2Vp-p (P.B)
10	H 0.6Vp-p(REC)	33	V 0.26Vp-p (P.B)
11	H 0.3Vp-p (REC/P.B)	35	H 0.4Vp-p (P.B)
12	H 0.07Vp-p(REC)	37, 38	H 0.9Vp-p (REC/P.B)
13	H 0.9Vp-p (REC/P.B)	40	H 2.3Vp-p (REC/P.B)
15	H 0.9Vp-p (REC/P.B)	41	V 0.5Vp-p (REC) 0.56Vp-p (P.B)

IC801 (VEFH04F)



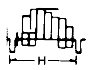
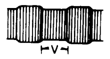
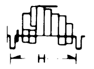
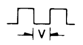
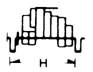
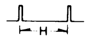
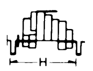
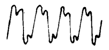
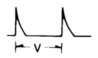
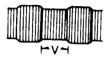
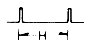
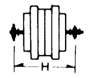
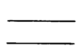
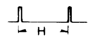
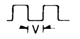
PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
2	H 0.12Vp-p (REC/P.B)	15	H 0.48Vp-p (REC)
3	H 1.0Vp-p (REC/P.B)	17	H 0.48Vp-p (REC) 0.18Vp-p (P.B)
5	H 0.19Vp-p (REC/P.B)	19	H 0.28Vp-p (REC) 0.25Vp-p (P.B)
6	V 5.0Vp-p (REC/P.B)	28	0.8Vp-p (REC/P.B)
7	H 0.6Vp-p (REC) 0.5Vp-p (P.B)	29	1.1Vp-p (REC/P.B)
9	H 0.36Vp-p (REC)	31	0.8Vp-p (REC/P.B)
10	H 1.1Vp-p (REC)	32	H 4.8Vp-p (REC/P.B)
10	H 1.2Vp-p (P.B)	33	H 1.0Vp-p (REC) 0.8Vp-p (P.B)
11	H 0.4Vp-p (REC) 0.12Vp-p (P.B)	34	H 5.0Vp-p (REC/P.B)
12	H 1.0Vp-p (REC/P.B)	35	H 5.0Vp-p (REC/P.B)
13	V 0.18Vp-p (P.B)	37	H 0.3Vp-p (P.B)
14	H 0.32Vp-p (REC) 0.1Vp-p (P.B)	38	H 1.0Vp-p (P.B)

3-11. SUB MAIN (LUMINANCE & CHROMINANCE) SCHEMATIC DIAGRAM

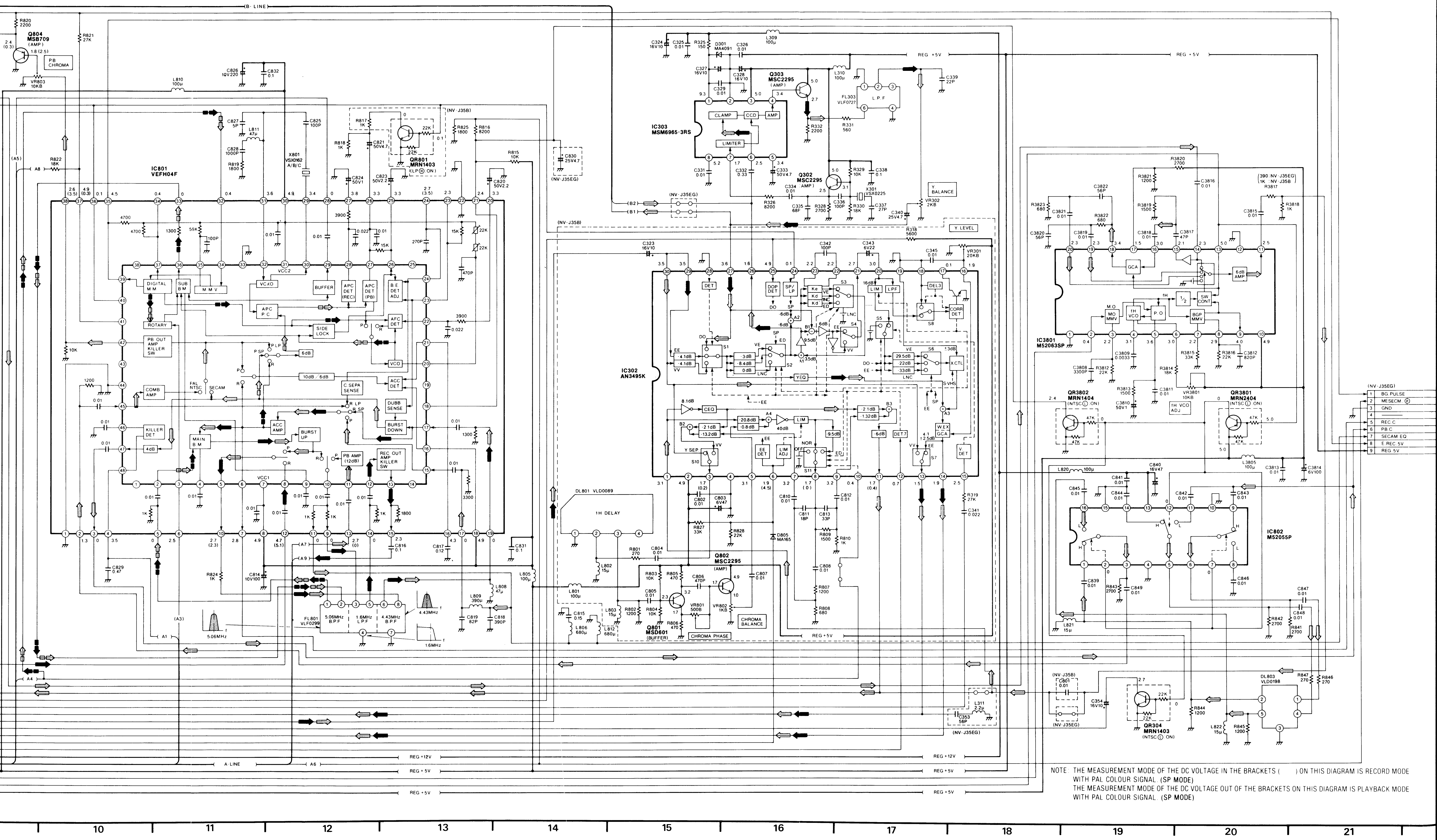

MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAY
IC3101
BA7004
(TEST SIGNAL GENERATOR)
TEST SIG.
OSC 500KHz
VCC
GND
X3101 VSX0099
D3101 MA165
D3102 MA27W
L3101 100μ
FL3101 VLF0413
Q3101 MSD601 (PHASE COMPENSATOR)
REG +5V
(NV-J35EG)
(NV-J35B)
QR303 MRN1403 (LP Ⓗ ON)
QR301 MRN1403 (SP ON)
QR302 MRN1403 (LP Ⓗ ON)
Q304 MSD601 (AMP)
FL302 VLF0499
L.P.F
IC301
VEFH03D
EE VV DETAIL
MIX
LOGIC
EDIT LNC
EXP
AMP
DEM
LIM
CLP
MUTE
AMP
S.SEP
LPF
HPF
PICT
NC
DOC
DETAIL N.L.E
NLE
NLDE
CLIP
DET
AGC
COR
M.EMPH
DOP
DL
MOD
EQ
ENV
FL301 ELB4M022
4Mz
Q301 MSB709 (BUFFER)
(TO MAIN)
GND 1
TEST 12V 2
VIDEO OUT 3
C.VIDEO 4
VD OUT 5
GND 6
VIDEO IN 7
VSS 8
HSS 9
REC Y 10
S.H/L TR 11
REG 5V 12
REG 12V 13
HEAD SW 14
EDIT Ⓗ 15
GND 16
EE Ⓗ 17
AT V/H/N 18
PICTURE CTL 19
RF Y 20
ROTARY SW 21
HSS 22
—— 23
E.REC 5V 24
V.LP Ⓗ 25
—— 26
GND 27
—— 28
RF CHROMA 29
TRICK Ⓛ 30
REC C 31
GND 32
HSS 33
NTSC Ⓛ 34
REG 5V 35
C833 470P
R831 820
A-LINE
REG +12V
REG +5V
B-LINE
Q804 MSB709 (AMP)
PB CHROMA
VR803 10KB
IC801
VEFH04F
X801 VSX0162 A/B/C
DIGITAL M.M
SUB B.M
M.M.V
VCXO
APC P.C
ROTARY
PB OUT AMP KILLER SW
COMB AMP
KILLER DET
4dB
MAIN B.M
ACC AMP
PAL NTSC
SECAM
VCC1
VCC2
5.06MHz
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

WAVEFORM OF SUB MAIN C.B.A. PINS

PIN NO.	WAVEFORM	PIN NO.	WAVEFORM
3	 2.3Vp-p (REC/P.B)	20	 0.8Vp-p (P.B)
4	 1.2Vp-p (REC/P.B)	21	 5.0Vp-p (REC/P.B)
5	 2.3Vp-p (REC/P.B)	22	 5.0Vp-p (REC/P.B)
7	 1.0Vp-p (REC/P.B)	26	 0.8Vp-p (REC/P.B)
8	 2.0Vp-p (REC/P.B)	29	 0.15Vp-p (P.B)
9	 5.0Vp-p (REC/P.B)	31	 0.3Vp-p (REC)
10	 1.2Vp-p (REC)	33	 5.0Vp-p (REC/P.B)
14	 5.0Vp-p (REC/P.B)		

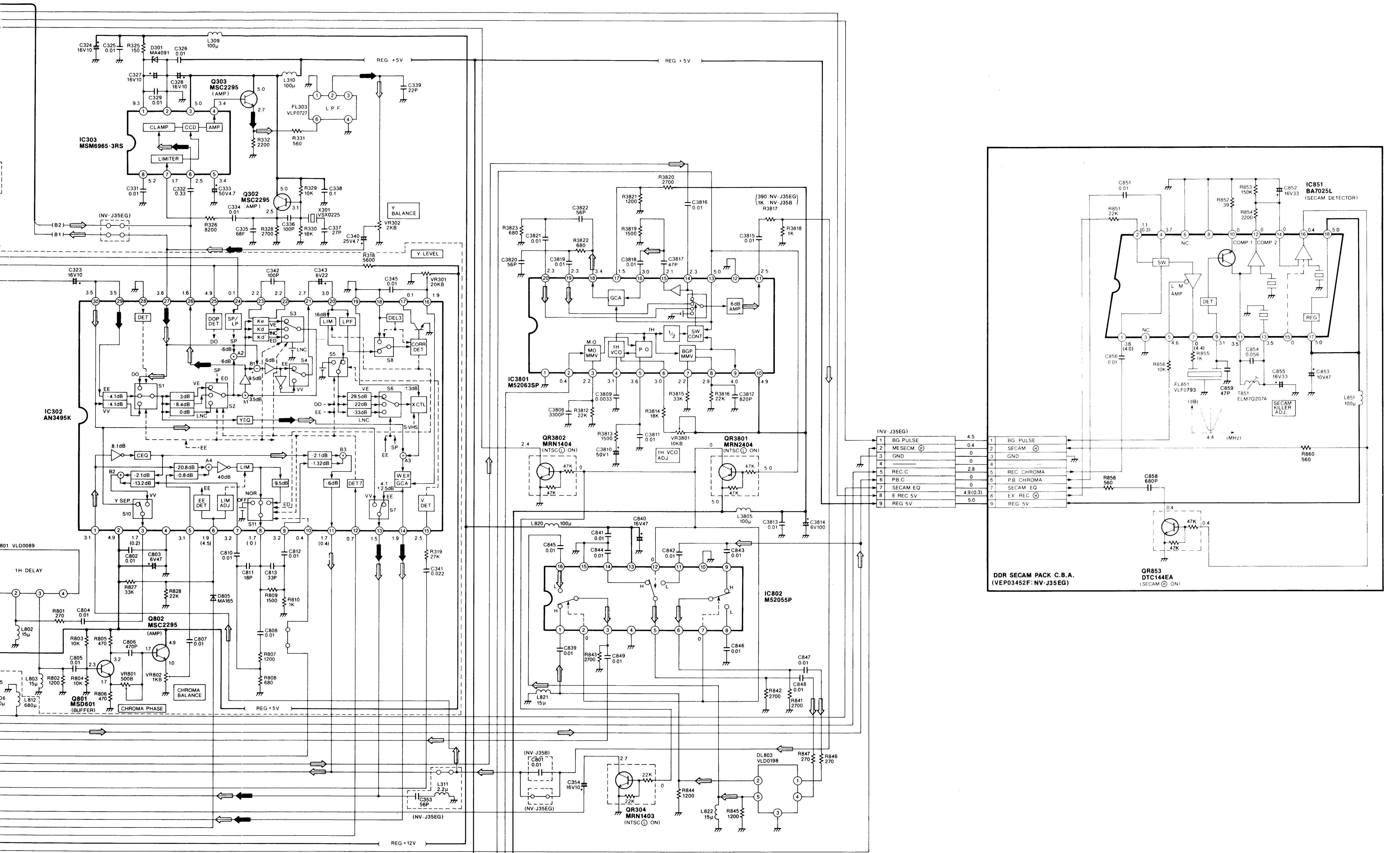
E ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE ⬅ 5.06MHz PHASE ROTATIONAL SIGNAL IN REC MODE ⇦ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE



Q804 MSB709 (AMP)
PB CHROMA
VR803 10KB
IC801 VEFH04F
X801 VSX0162 A/B/C
QR801 MRN1403 (LP ON)
(NV-J35B)
(NV-J35EG)
DIGITAL M.M
SUB B.M
M.M.V
VCXO
BUFFER
APC DET (REC)
APC DET (PB)
B.E DET ADJ
APC P.C
SIDE LOCK
AFC DET
ROTARY
PB OUT AMP KILLER SW
VCO
ACC DET
C.SEPA SENSE
COMB AMP
DUBB SENSE
BURST DOWN
KILLER DET
ACC AMP
BURST UP
MAIN B.M
PB AMP (12dB)
REC OUT AMP KILLER SW
VCC1
VCC2
PAL NTSC
SECAM
FL801 VLF0299
5.06MHz B.P.F
1.6MHz L.P.F
4.43MHz B.P.F
4.43MHz
5.06MHz
1.6MHz
IC303 MSM6965-3RS
CLAMP
CCD
AMP
LIMITER
Q303 MSC2295 (AMP)
Q302 MSC2295 (AMP)
FL303 VLF0727
L.P.F
X301 VSX0225
Y BALANCE
VR302 2KB
Y LEVEL
VR301 20KB
IC302 AN3495K
DET
DOP DET
SP/LP
LIM
LPF
DEL3
CORR DET
CEQ
YEQ
X CTL
W.EX GCA
V DET
Y SEP
EE DET
LIM ADJ
NOR
DET7
DL801 VLD0089
1H DELAY
Q802 MSC2295 (AMP)
Q801 MSD601 (BUFFER)
VR801 500B
VR802 1KB
CHROMA PHASE
CHROMA BALANCE
IC3801 M52063SP
GCA
6dB AMP
M.O MMV
fH VCO
P.O
1/2
SW CONT
BGP MMV
QR3802 MRN1404 (NTSC ON)
QR3801 MRN2404 (NTSC ON)
VR3801 10KB
fH VCO ADJ
IC802 M52055P
QR304 MRN1403 (NTSC ON)
DL803 VLD0198
(NV-J35EG)
1 BG PULSE
2 MESECM (P)
3 GND
4
5 REC C
6 PB C
7 SECAM EQ
8 E REC 5V
9 REG 5V
REG +5V
REG +12V
A-LINE
B-LINE
10
11
12
13
14
15
16
17
18
19
20
21

NOTE THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

E ROTATIONAL SIGNAL IN REC MODE ⇦□ 5.06MHz PHASE ROTATIONAL SIGNAL IN PLAYBACK MODE


IC303 MSM6965-3RS
CLAMP
CCD
AMP
LIMITER
Q303 MSC2295 (AMP)
Q302 MSC2295 (AMP)
FL303 VLF0727
LPF
X301 VSX0225
Y BALANCE
VR302 2KB
Y.LEVEL
REG +5V
(NV-J35EG)
IC302 AN3495K
DOP DET
SP/LP
DET
LIM
LPF
DEL3
CORR DET
YEQ
CEQ
LNC
XCTL
W.EX GCA
V DET
EE DET
LIM ADJ
NOR
Y SEP
VR301 20KB
1H DELAY
Q802 MSC2295 (AMP)
Q801 MSD601 (BUFFER)
CHROMA PHASE
CHROMA BALANCE
VR801 500B
VR802 1KB
D805 MA165
IC3801 M52063SP
GCA
6dB AMP
SW CONT
MO MMV
fH VCO
P.O
BGP MMV
fH VCO ADJ
VR3801 10KB
QR3802 MRN1404 (NTSC Ⓝ ON)
QR3801 MRN2404 (NTSC Ⓝ ON)
IC802 M52055P
L820 100μ
L3805 100μ
L821 15μ
QR304 MRN1403 (NTSC Ⓝ ON)
DL803 VLD0198
L822 15μ
L311 2.2μ
(NV-J35B)
(NV-J35EG)
REG +12V
IC851 BA7025L (SECAM DETECTOR)
COMP 1
COMP 2
L.M AMP
SW
DET
REG
FL851 VLF0793
T851 ELM7Q207A
SECAM KILLER ADJ
L851 100μ
BG PULSE
MESECAM Ⓜ
GND
REC C
P.B.C
SECAM EQ
E REC 5V
REG 5V
SECAM Ⓗ
REC CHROMA
PB CHROMA
EX REC Ⓗ
DDR SECAM PACK C.B.A. (VEP03452F: NV-J35EG)
QR853 DTC144EA (SECAM Ⓗ ON)
R860 560

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

15 16 17 18 19 20 21 22 23 24 25

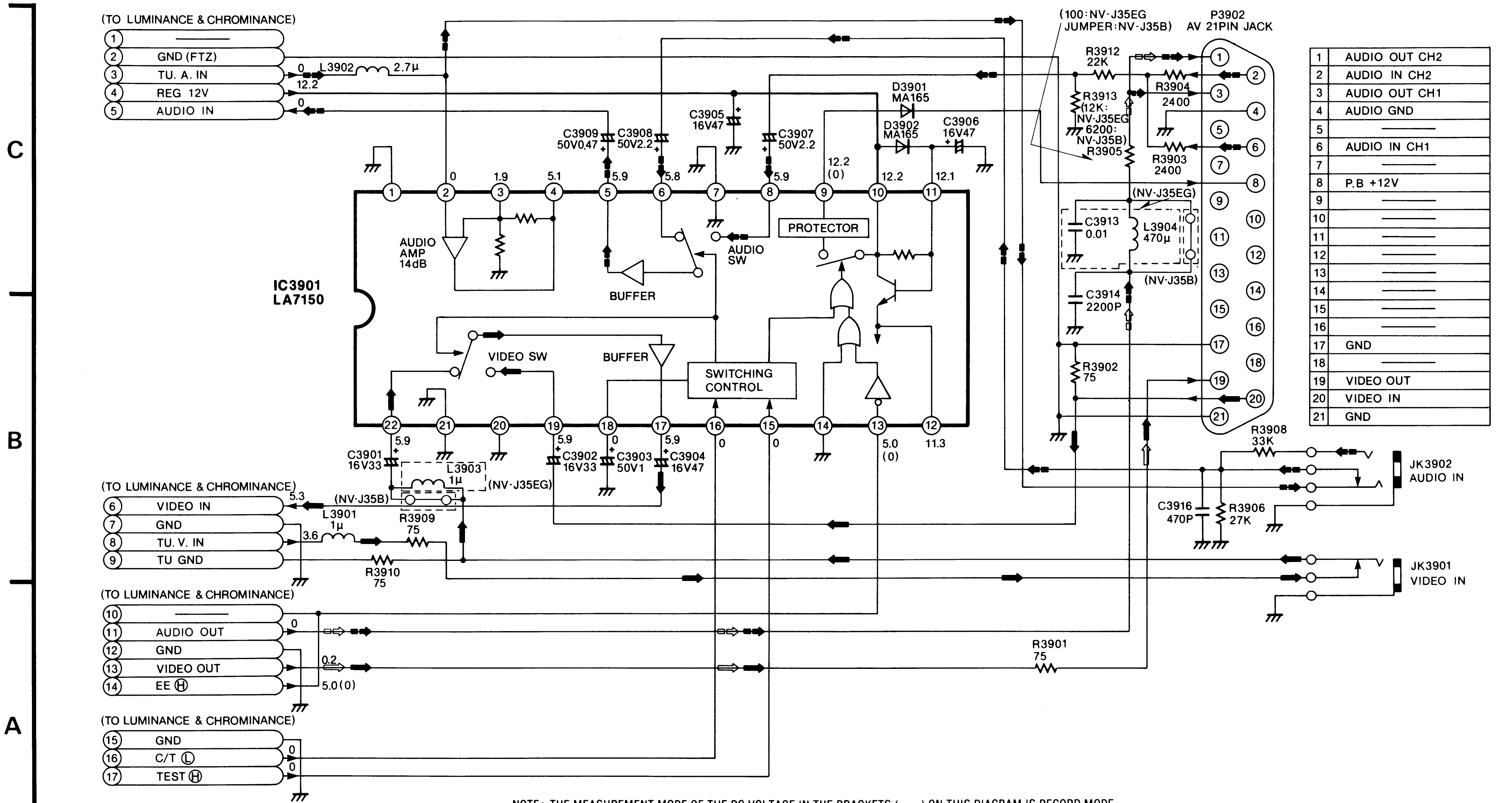
Next Page:
INPUT/OUTPUT & HEAD AMP Section

3-12. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

3-13. INPUT/OUTPUT PACK C.B.A.

(VEP03594B: NV-J35EG) (VEP035

◀ VIDEO MAIN SIGNAL PATH IN REC MODE
⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
◀■ AUDIO MAIN SIGNAL PATH IN REC MODE
⇦□ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

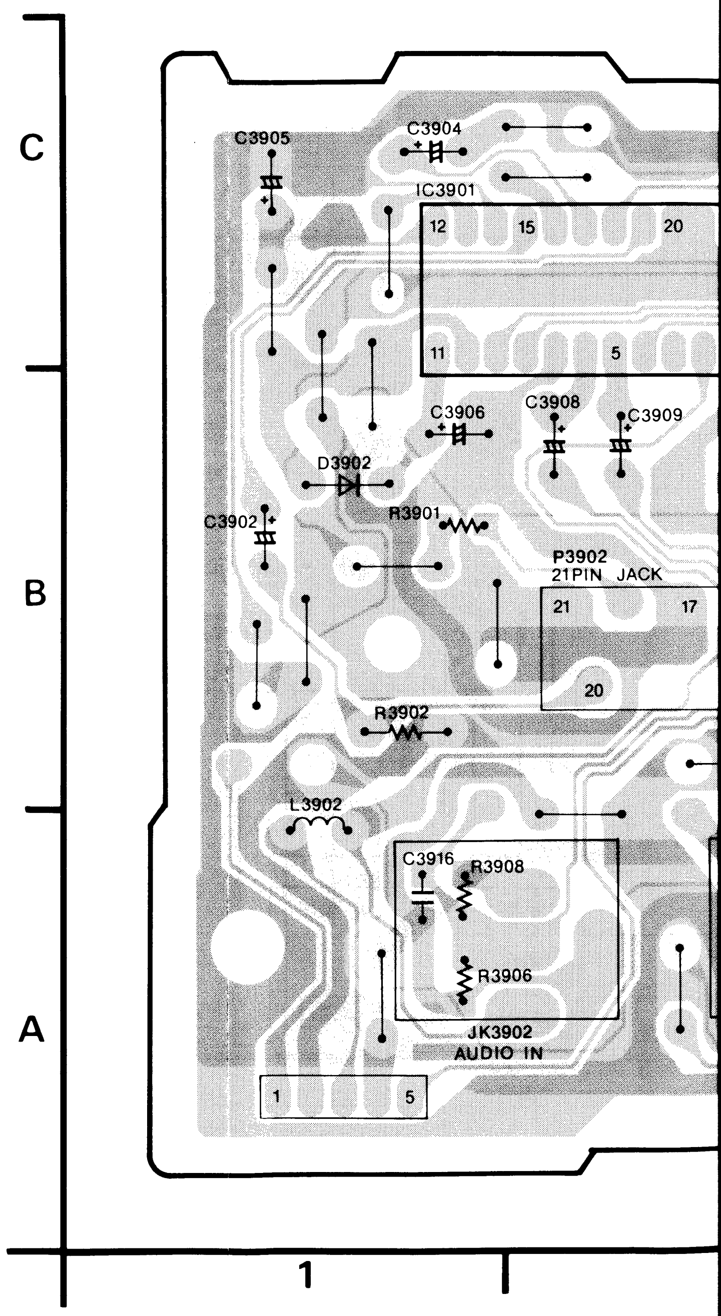

C
B
A
(TO LUMINANCE & CHROMINANCE)
1
2 GND (FTZ)
3 TU. A. IN
4 REG 12V
5 AUDIO IN
0
12.2
0
L3902
2.7μ
(TO LUMINANCE & CHROMINANCE)
6 VIDEO IN
7 GND
8 TU. V. IN
9 TU GND
5.3
3.6
(NV-J35B)
L3901
1μ
R3909
75
R3910
75
L3903
1μ
(NV-J35EG)
(TO LUMINANCE & CHROMINANCE)
10
11 AUDIO OUT
12 GND
13 VIDEO OUT
14 EE Ⓗ
0
0.2
5.0(0)
(TO LUMINANCE & CHROMINANCE)
15 GND
16 C/T Ⓛ
17 TEST Ⓗ
0
0
IC3901
LA7150
AUDIO AMP 14dB
BUFFER
AUDIO SW
PROTECTOR
VIDEO SW
BUFFER
SWITCHING CONTROL
C3909
50V0.47
C3908
50V2.2
C3905
16V47
C3907
50V2.2
D3901
MA165
D3902
MA165
C3906
16V47
0
1.9
5.1
5.9
5.8
5.9
12.2
(0)
12.2
12.1
C3901
16V33
C3902
16V33
C3903
50V1
C3904
16V47
5.9
5.9
0
5.9
0
0
5.0
(0)
11.3
(100:NV-J35EG
JUMPER:NV-J35B)
P3902
AV 21PIN JACK
R3912
22K
R3913
(12K:
NV-J35EG
6200:
NV-J35B)
R3905
R3904
2400
R3903
2400
(NV-J35EG)
C3913
0.01
L3904
470μ
(NV-J35B)
C3914
2200P
R3902
75
R3908
33K
C3916
470P
R3906
27K
JK3902
AUDIO IN
JK3901
VIDEO IN
R3901
75

1	AUDIO OUT CH2
2	AUDIO IN CH2
3	AUDIO OUT CH1
4	AUDIO GND
5	—
6	AUDIO IN CH1
7	—
8	P.B +12V
9	—
10	—
11	—
12	—
13	—
14	—
15	—
16	—
17	GND
18	—
19	VIDEO OUT
20	VIDEO IN
21	GND

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

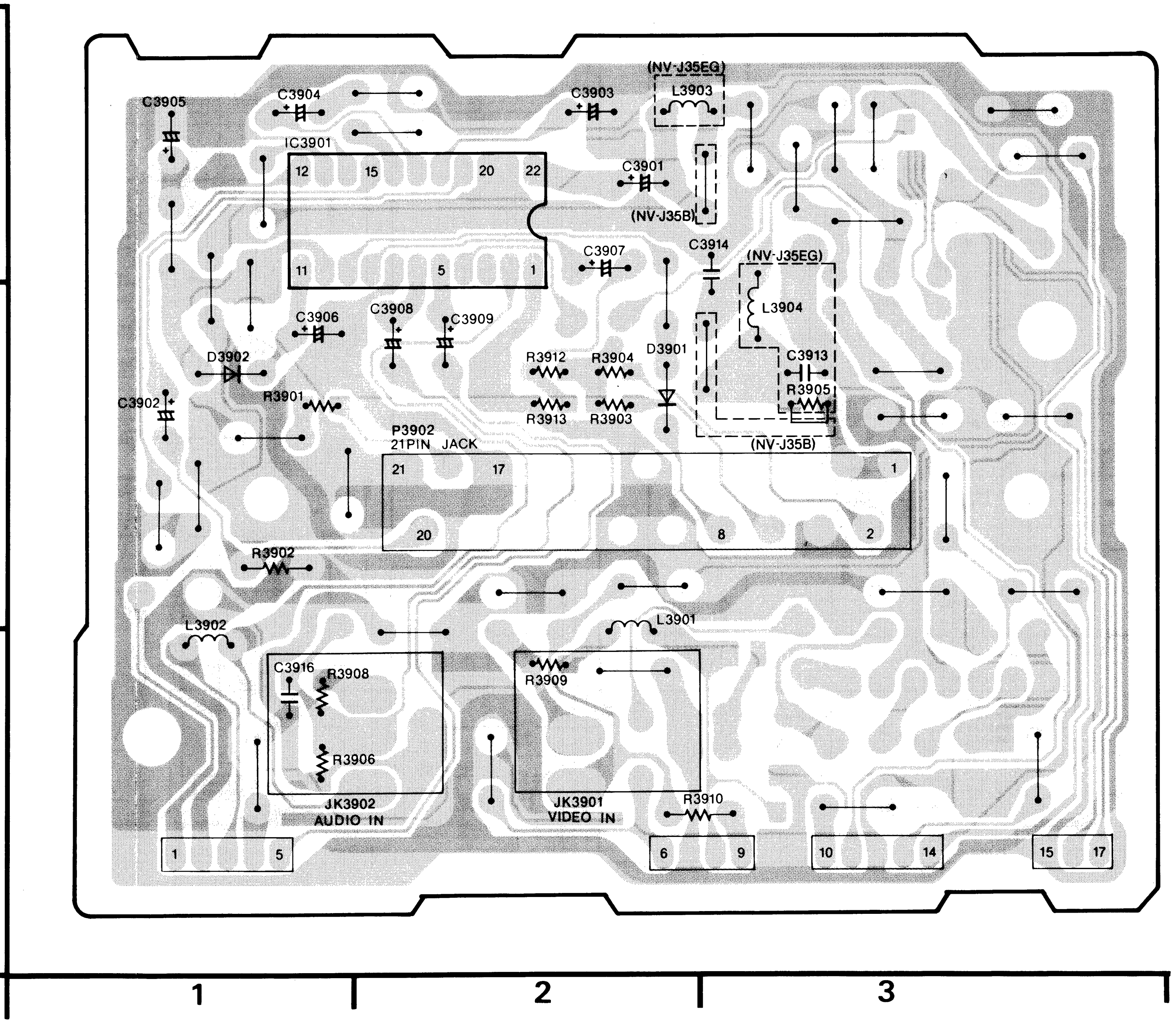
1
2
3
4
5


C
B
A
C3905
C3904
IC3901
12
15
20
11
5
C3906
C3908
C3909
D3902
C3902
R3901
P3902
21PIN JACK
21
17
20
R3902
L3902
C3916
R3908
R3906
JK3902
AUDIO IN
1
5
1

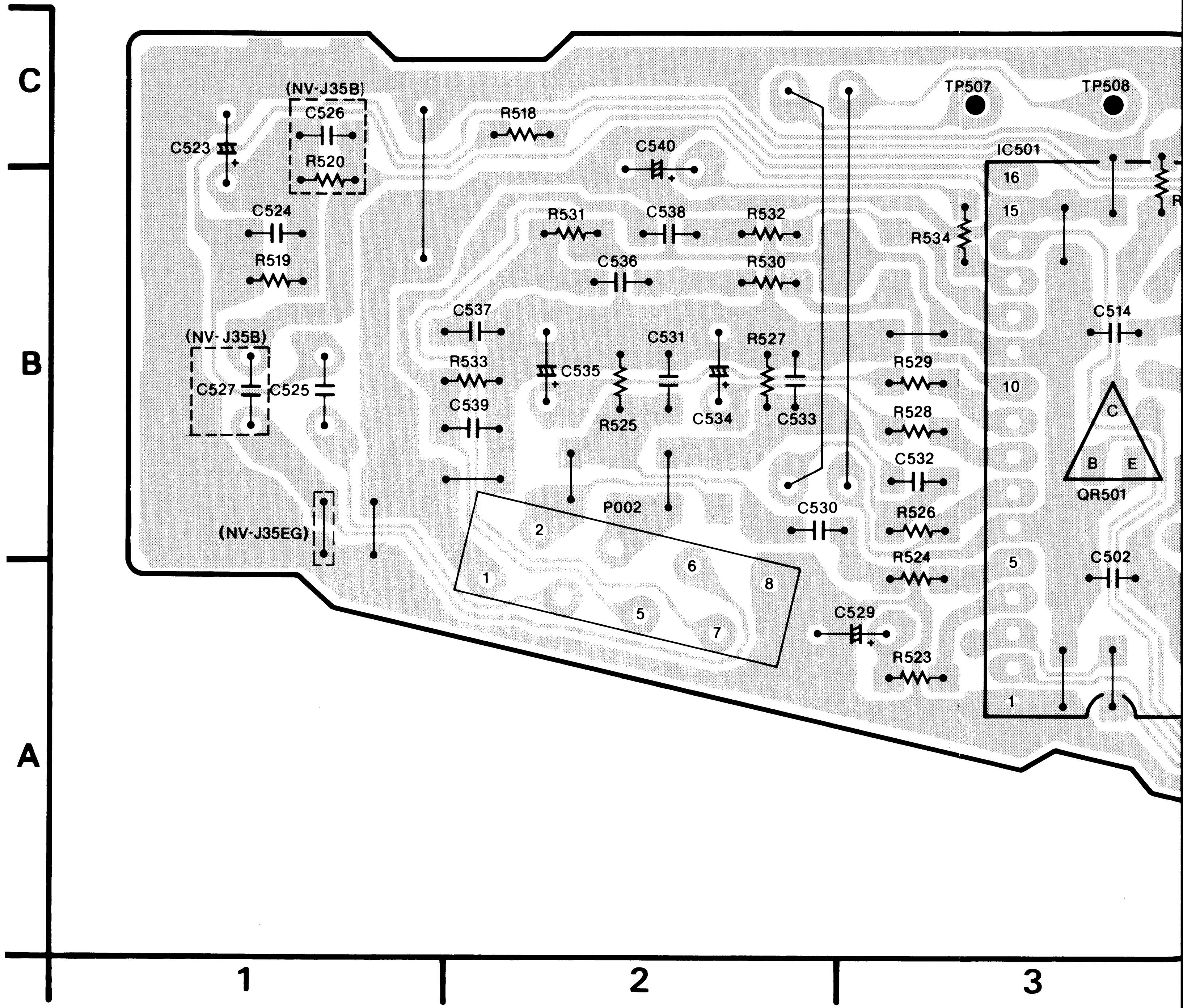
13. INPUT/OUTPUT PACK C.B.A.
(VEP03594B: NV-J35EG) (VEP03594AD: NV-J35B)

INPUT/OUTPUT PACK C.B.A.	
Integrated Circuit	
IC3901	C-1
Connector	
P3902 JK3901 JK3902	B-2 A-2 A-1

ADDRESS INFORMATION


C3905
C3904
IC3901
12
15
20
22
11
5
1
C3903
(NV-J35EG)
L3903
C3901
(NV-J35B)
C3907
C3914
(NV-J35EG)
L3904
C3906
C3908
C3909
D3902
R3912
R3904
D3901
C3913
R3905
C3902
R3901
R3913
R3903
(NV-J35B)
P3902
21PIN JACK
21
17
1
20
8
2
R3902
L3902
L3901
C3916
R3908
R3909
R3906
JK3902
AUDIO IN
JK3901
VIDEO IN
R3910
1
5
6
9
10
14
15
17
1
2
3

3-14. HEAD AMP C.B.A. (VEP05137D: NV-35EG) (VEP05137A: NV-J35B)


C
B
A
(NV-J35B)
C526
R520
C523
R518
C540
TP507
TP508
IC501
16
15
R531
C538
R532
R534
C524
R519
C536
R530
C514
C537
(NV- J35B)
C527
C525
R533
C535
C531
R527
C534
R529
10
R525
C533
C539
R528
C532
C
B
E
QR501
P002
2
C530
R526
(NV-J35EG)
1
6
8
5
7
R524
5
C502
C529
R523
1
1
2
3

3-14. HEAD AMP C.B.A. (VEP05137D: NV-35EG) (VEP05137A: NV-J35B)

PACK

t

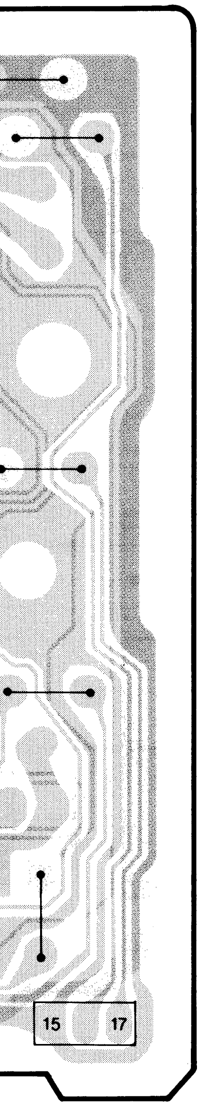
C-1

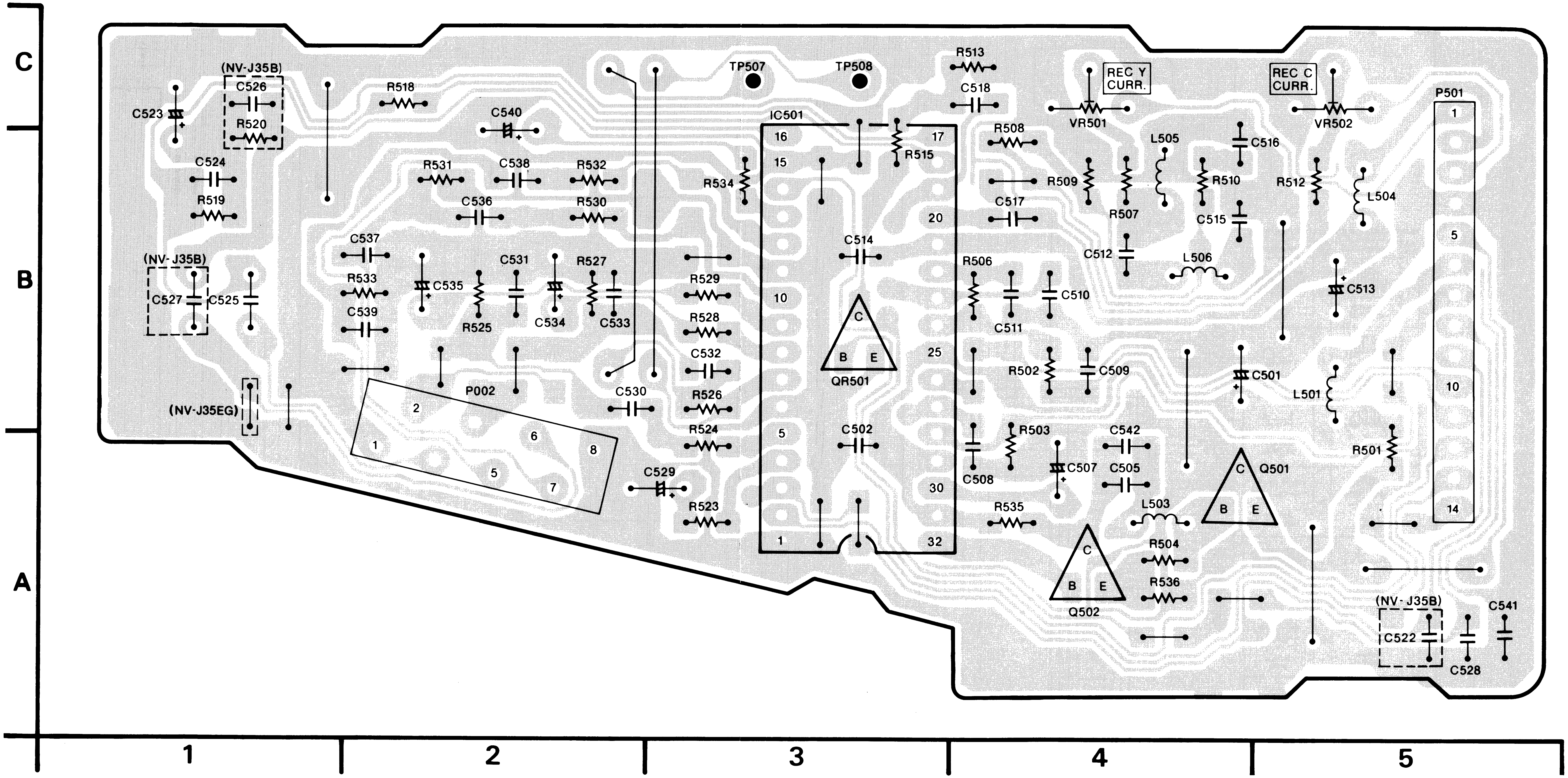
B-2

A-2

A-1

IATION

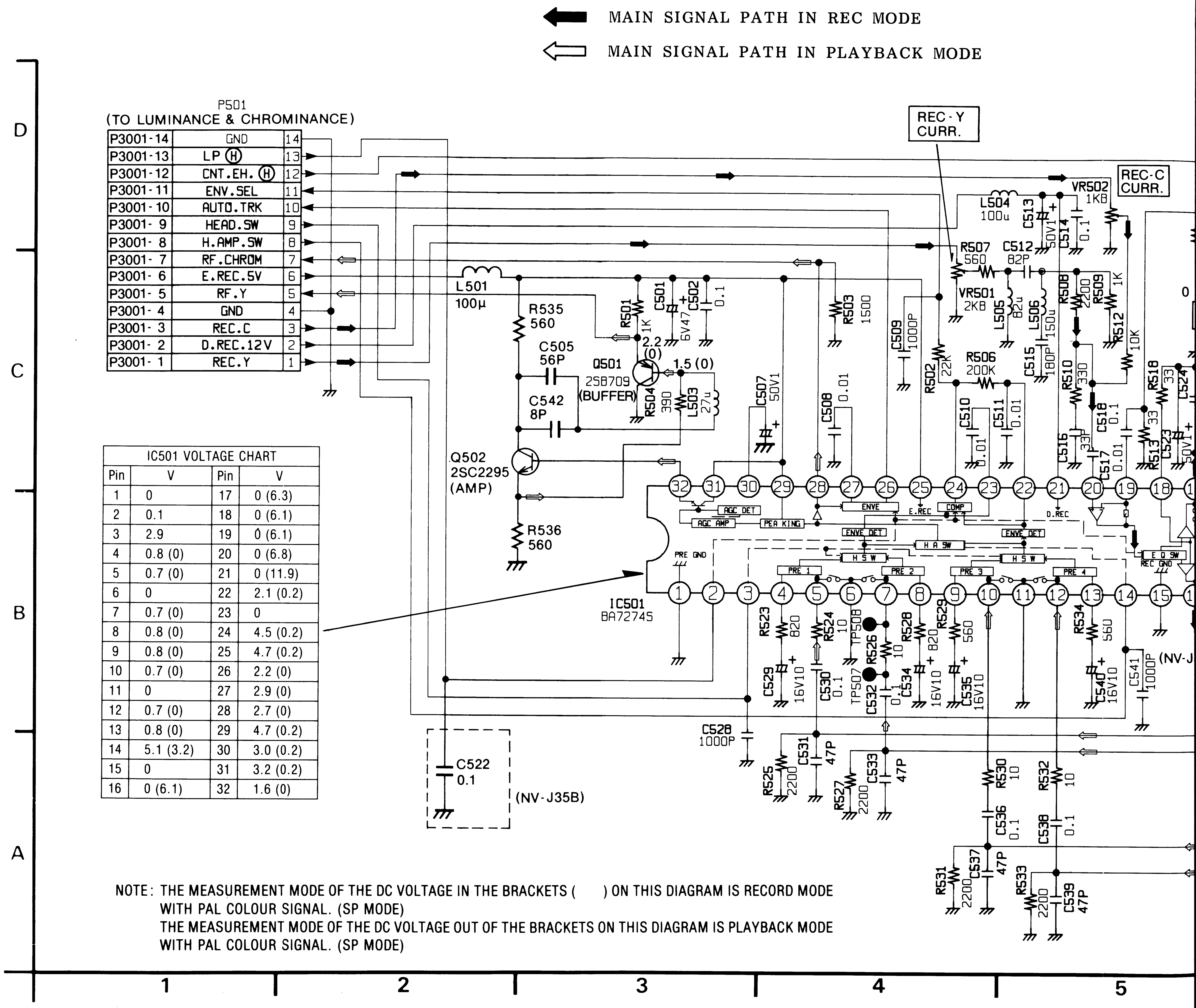



C
B
A
1
2
3
4
5
(NV-J35B)
C526
R520
C523
C524
R519
(NV-J35B)
C527
C525
(NV-J35EG)
R518
C540
R531
C538
R532
C536
R530
C537
R533
C535
C539
C531
C534
R525
R527
C533
P002
1
2
5
6
7
8
TP507
TP508
R534
R529
R528
C532
C530
R526
R524
C529
R523
IC501
16
15
10
5
1
17
20
25
30
32
R515
C514
QR501
C
B
E
C502
R513
C518
R508
R509
R507
R510
C516
C517
C512
C515
REC Y CURR.
VR501
L505
REC C CURR.
VR502
R512
L504
P501
1
5
10
14
R506
C511
C510
L506
C513
R502
C509
C501
L501
C508
R503
C507
C542
C505
Q501
R501
R535
L503
R504
R536
Q502
(NV-J35B)
C522
C528
C541

3-15. HEAD AMP SCHEMATIC DIAGRAM

HEAD AMP C.B.A.			
Transistor		**Adjustment**	
Q501 Q502	A-5 A-4	VR501 VR502	C-4 C-5
Transistor & Resistor		**Connector**	
QR501	B-3	P002 P501	B-2 C-5
Integrated Circuit			
IC501	C-3		
Test Point			
TP507 TP508	C-3 C-3		

ADDRESS INFORMATION



MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PLAYBACK MODE
D
C
B
A
1
2
3
4
5
P501
(TO LUMINANCE & CHROMINANCE)
P3001-14 GND 14
P3001-13 LP Ⓗ 13
P3001-12 CNT.EH. Ⓗ 12
P3001-11 ENV.SEL 11
P3001-10 AUTO.TRK 10
P3001-9 HEAD.SW 9
P3001-8 H.AMP.SW 8
P3001-7 RF.CHROM 7
P3001-6 E.REC.5V 6
P3001-5 RF.Y 5
P3001-4 GND 4
P3001-3 REC.C 3
P3001-2 D.REC.12V 2
P3001-1 REC.Y 1
REC-Y CURR.
REC-C CURR.
VR502 1KB
L504 100u
C513 50V1
C514 0.1
R507 560
C512 82P
VR501 2KB
L505 82u
L506 150u
R508 2200
R509 1K
R512 10K
L501 100μ
R535 560
R501 1K
C501 6V47
C502 0.1
C505 56P
Q501 2SB709 (BUFFER)
2.2 (0)
1.5 (0)
R504 390
L503 27u
C542 8P
R503 1500
C509 1000P
R502 22K
R506 200K
C515 180P
R510 330
C507 50V1
C508 0.01
C510 0.01
C511 0.01
C516 33P
C517 0.01
C518 0.1
R513 33
R518 33
C523 50V1
C524
Q502 2SC2295 (AMP)
R536 560
AGC DET
AGC AMP
PEA KING
ENVE
E.REC
COMP
ENVE DET
D.REC
H A SW
H S W
E Q SW
REC GND
PRE GND
PRE 1
PRE 2
PRE 3
PRE 4
IC501 BA7274S
R523 820
C529 16V10
R524 10
C530 0.1
TP508
TP507
R526 10
C532 0.1
C534
R528 820
C535 16V10
R529 560
R534 560
C540 16V10
C541 1000P
(NV-J
C528 1000P
C522 0.1
(NV-J35B)
R525 2200
C531 47P
R527 2200
C533 47P
R530 10
C536 0.1
R532 10
C538 0.1
R531 2200
C537 47P
R533 2200
C539 47P

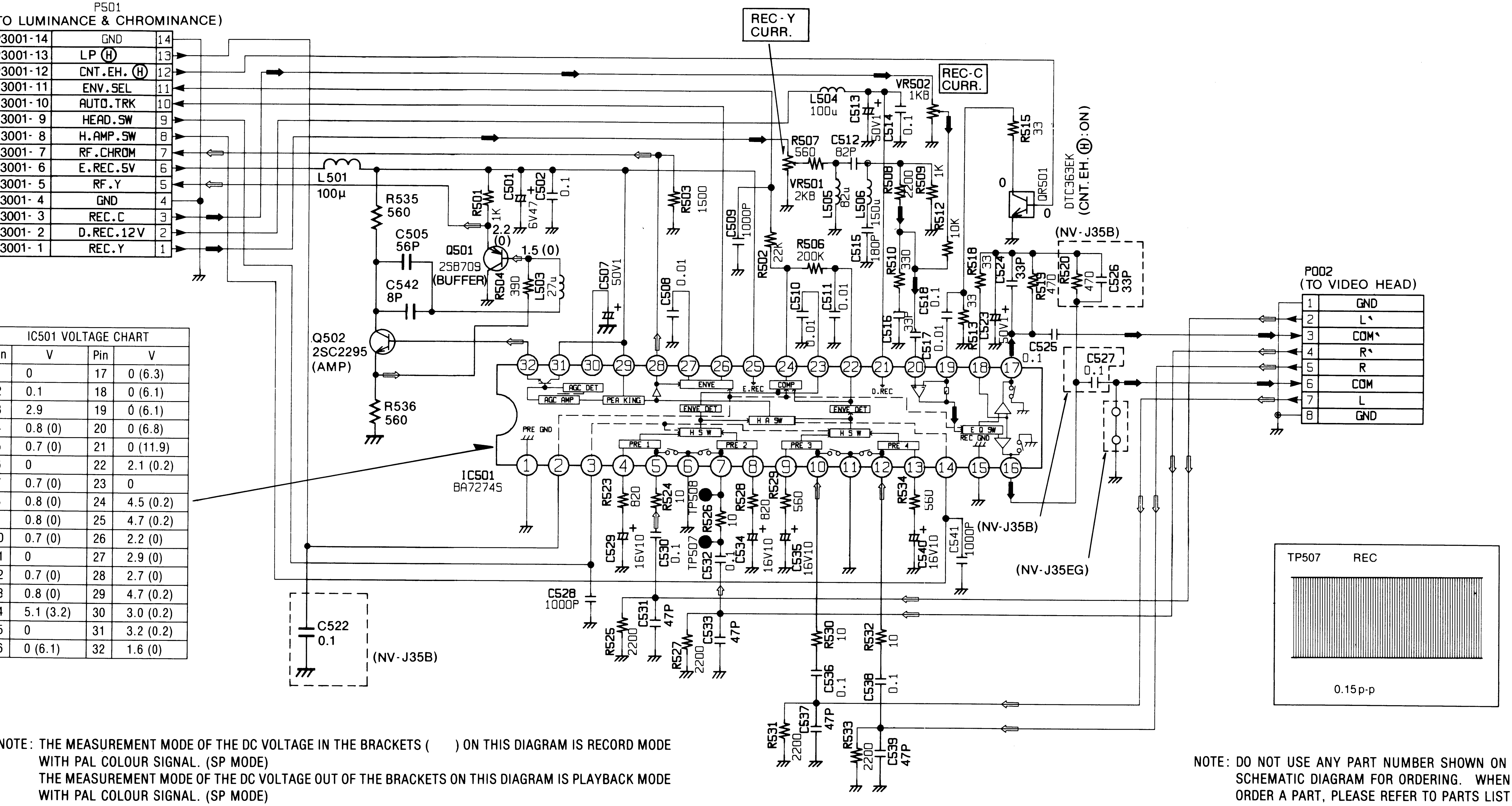
IC501 VOLTAGE CHART			
Pin	V	Pin	V
1	0	17	0 (6.3)
2	0.1	18	0 (6.1)
3	2.9	19	0 (6.1)
4	0.8 (0)	20	0 (6.8)
5	0.7 (0)	21	0 (11.9)
6	0	22	2.1 (0.2)
7	0.7 (0)	23	0
8	0.8 (0)	24	4.5 (0.2)
9	0.8 (0)	25	4.7 (0.2)
10	0.7 (0)	26	2.2 (0)
11	0	27	2.9 (0)
12	0.7 (0)	28	2.7 (0)
13	0.8 (0)	29	4.7 (0.2)
14	5.1 (3.2)	30	3.0 (0.2)
15	0	31	3.2 (0.2)
16	0 (6.1)	32	1.6 (0)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

AMP SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE


P501
(TO LUMINANCE & CHROMINANCE)
3001-14 GND 14
3001-13 LP Ⓗ 13
3001-12 CNT.EH. Ⓗ 12
3001-11 ENV.SEL 11
3001-10 AUTO.TRK 10
3001- 9 HEAD.SW 9
3001- 8 H.AMP.SW 8
3001- 7 RF.CHROM 7
3001- 6 E.REC.5V 6
3001- 5 RF.Y 5
3001- 4 GND 4
3001- 3 REC.C 3
3001- 2 D.REC.12V 2
3001- 1 REC.Y 1
L501 100μ
R535 560
C505 56P
C542 8P
Q501 2SB709 (BUFFER)
Q502 2SC2295 (AMP)
R536 560
R501 1K
C501 6V47
C502 0.1
2.2 (0)
1.5 (0)
R504 390
L503 27u
R503 1500
C507 50V1
C508 0.01
C509 1000P
REC-Y CURR.
L504 100u
C513 50V1
C514 0.1
VR502 1KB
REC-C CURR.
R507 560
C512 82P
VR501 2KB
L505 82u
L506 150u
R508 2200
R509 1K
R512 10K
R502 22K
R506 200K
C515 180P
C510 0.01
C511 0.01
R510 330
C516 33P
C518 0.1
C517 0.01
R513 33
R518 33
C524 33P
C523 50V1
R515 33
QR501 DTC363EK (CNT.EH. Ⓗ:ON)
0
0
(NV-J35B)
R519 470
R520 470
C526 33P
C525 0.1
C527 0.1
P002 (TO VIDEO HEAD)
1 GND
2 L'
3 COM'
4 R'
5 R
6 COM
7 L
8 GND
AGC DET
AGC AMP
PEA KING
ENVE
E.REC
COMP
D.REC
ENVE DET
ENVE DET
H A SW
H S W
H S W
E Q SW
REC GND
PRE GND
PRE 1
PRE 2
PRE 3
PRE 4
IC501 BA7274S
R523 820
C529 16V10
R524 10
C530 0.1
TP508
TP507
R526 10
C532 0.1
C534 16V10
R528 820
R529 560
C535 16V10
R534 560
C540 16V10
C541 1000P
(NV-J35B)
(NV-J35EG)
C528 1000P
C522 0.1
(NV-J35B)
R525 2200
C531 47P
R527 2200
C533 47P
R530 10
R532 10
C536 0.1
C538 0.1
R531 2200
C537 47P
R533 2200
C539 47P
TP507 REC
0.15p-p
1
2
3
4
5
6
7

IC501 VOLTAGE CHART			
n	V	Pin	V
	0	17	0 (6.3)
2	0.1	18	0 (6.1)
3	2.9	19	0 (6.1)
	0.8 (0)	20	0 (6.8)
	0.7 (0)	21	0 (11.9)
	0	22	2.1 (0.2)
	0.7 (0)	23	0
	0.8 (0)	24	4.5 (0.2)
	0.8 (0)	25	4.7 (0.2)
0	0.7 (0)	26	2.2 (0)
1	0	27	2.9 (0)
2	0.7 (0)	28	2.7 (0)
3	0.8 (0)	29	4.7 (0.2)
4	5.1 (3.2)	30	3.0 (0.2)
5	0	31	3.2 (0.2)
6	0 (6.1)	32	1.6 (0)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

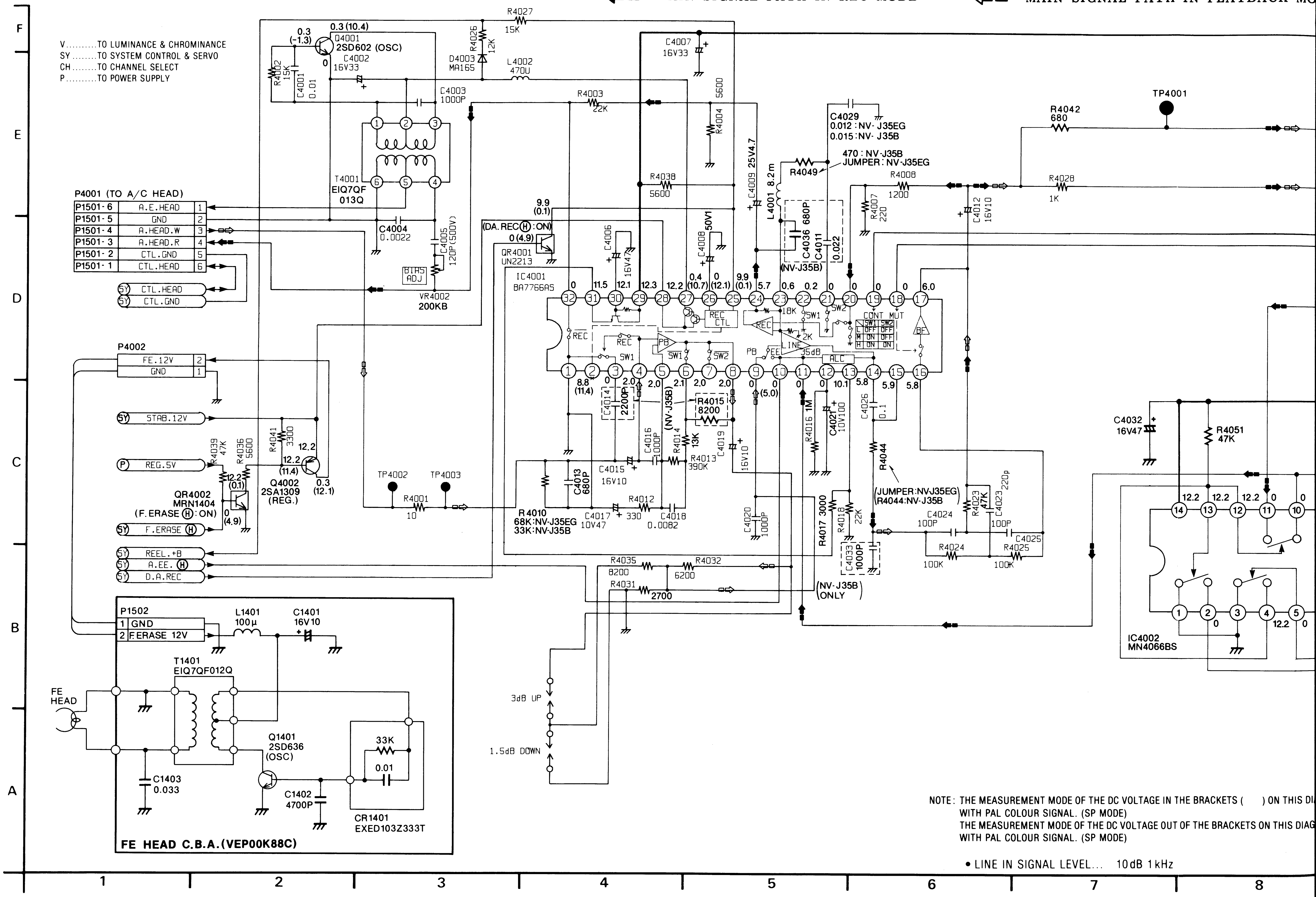
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Next Page:
AUDIO Section

3-16. AUDIO SCHEMATIC DIAGRAM

◀■ MAIN SIGNAL PATH IN REC MODE

◁□ MAIN SIGNAL PATH IN PLAYBACK MO



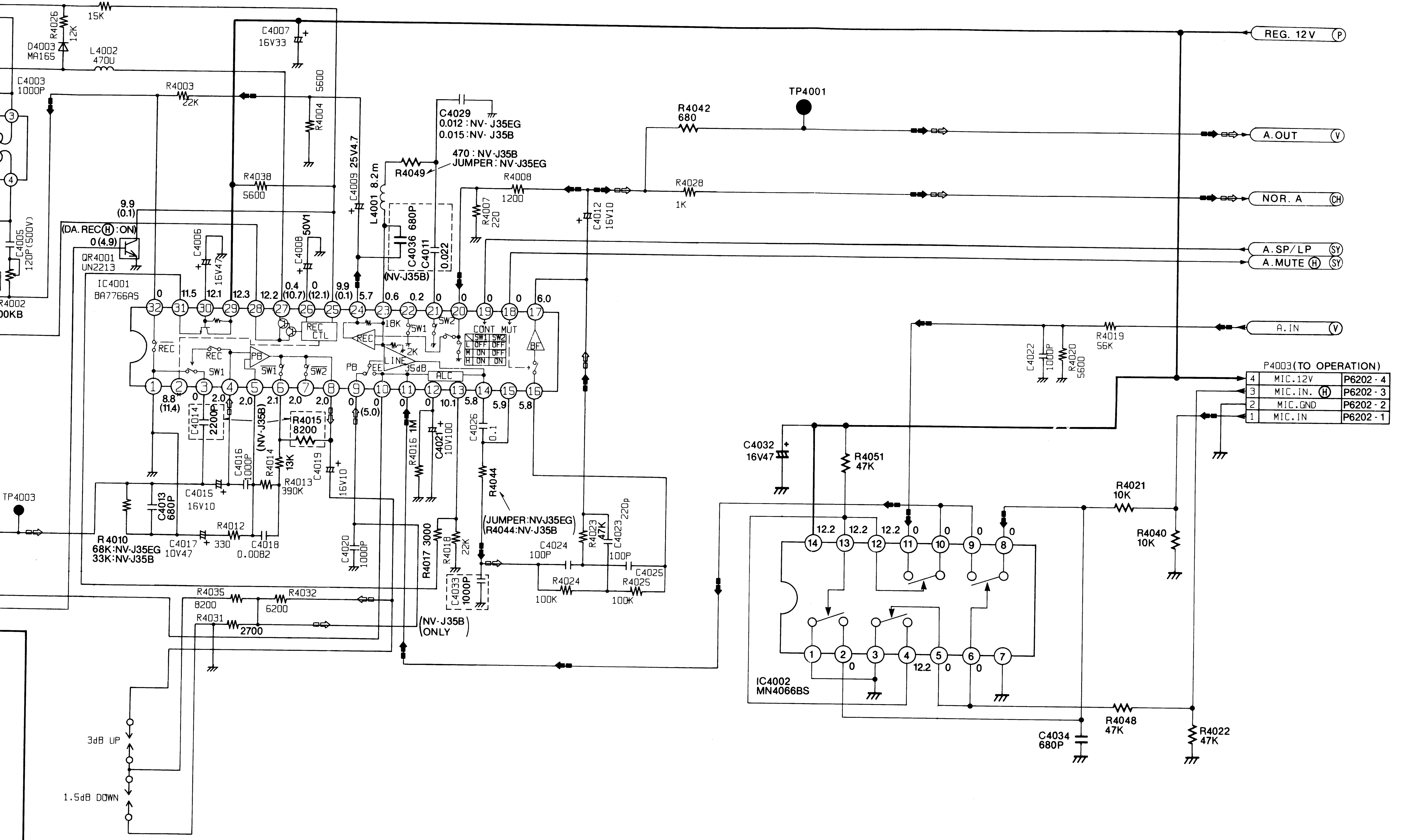
V..........TO LUMINANCE & CHROMINANCE
SY........TO SYSTEM CONTROL & SERVO
CH........TO CHANNEL SELECT
P..........TO POWER SUPPLY

F
E
D
C
B
A
1
2
3
4
5
6
7
8
Q4001 2SD602 (OSC)
0.3 (10.4)
0.3 (-1.3)
R4002 15K
C4001 0.01
C4002 16V33
C4003 1000P
R4026 12K
D4003 MA165
R4027 15K
L4002 470U
T4001 EIQ7QF 013Q
C4004 0.0022
C4005 120P(500V)
BIAS ADJ
VR4002 200KB
P4001 (TO A/C HEAD)
P1501-6 A.E.HEAD
P1501-5 GND
P1501-4 A.HEAD.W
P1501-3 A.HEAD.R
P1501-2 CTL.GND
P1501-1 CTL.HEAD
CTL.HEAD
CTL.GND
P4002
FE.12V
GND
STAB.12V
REG.5V
F.ERASE Ⓗ
REEL.+B
A.EE. Ⓗ
D.A.REC
R4039 47K
R4036 5600
R4041 3300
Q4002 2SA1309 (REG.)
QR4002 MRN1404 (F.ERASE Ⓗ : ON)
TP4002
TP4003
R4001 10
(DA.REC Ⓗ : ON)
QR4001 UN2213
IC4001 BA7766AS
R4003 22K
C4007 16V33
R4004 5600
R4038 5600
C4006 16V47
C4008 50V1
C4009 25V4.7
L4001 8.2m
C4036 680P
C4011 0.022
(NV-J35B)
C4029 0.012 : NV-J35EG 0.015 : NV-J35B
470 : NV-J35B JUMPER : NV-J35EG
R4049
R4008 1200
R4007 220
C4012 16V10
R4042 680
R4028 1K
TP4001
REC CTL
REC
PB
SW1
SW2
LINE
EE
35dB
ALC
18K
2K
CONT MUT
BF
C4014 2200P
R4015 8200
C4016 1000P
R4014 13K
R4013 390K
C4019 16V10
C4015 16V10
C4013 680P
R4010 68K : NV-J35EG 33K : NV-J35B
C4017 10V47
R4012 330
C4018 0.0082
C4020 1000P
R4016 1M
C4021 10V100
C4026 0.1
R4044
(JUMPER : NVJ35EG) (R4044 : NV-J35B)
R4017 3000
R4018 22K
C4033 1000P
(NV-J35B) ONLY
R4023 47K
C4023 220p
C4024 100P
C4025 100P
R4024 100K
R4025 100K
R4035 8200
R4032 6200
R4031 2700
3dB UP
1.5dB DOWN
C4032 16V47
R4051 47K
IC4002 MN4066BS
P1502
GND
F.ERASE 12V
L1401 100μ
C1401 16V10
FE HEAD
T1401 EIQ7QF012Q
Q1401 2SD636 (OSC)
C1403 0.033
C1402 4700P
33K
0.01
CR1401 EXED103Z333T
FE HEAD C.B.A. (VEP00K88C)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DI
WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAG
WITH PAL COLOUR SIGNAL. (SP MODE)

- LINE IN SIGNAL LEVEL... 10dB 1kHz

■■ MAIN SIGNAL PATH IN REC MODE   □□ MAIN SIGNAL PATH IN PLAYBACK MODE


R4027
15K
R4026
12K
D4003
MA165
L4002
470U
C4003
1000P
R4003
22K
C4007
16V33
5600
R4004
C4009 25V4.7
L4001 8.2m
R4049
470 : NV-J35B
JUMPER : NV-J35EG
C4029
0.012 : NV- J35EG
0.015 : NV- J35B
C4036 680P
C4011
0.022
(NV-J35B)
R4008
1200
R4007
220
C4012
16V10
R4038
5600
C4005
120P(500V)
R4002
00KB
9.9
(0.1)
(DA.REC Ⓗ : ON)
0 (4.9)
QR4001
UN2213
IC4001
BA7766AS
C4006
16V47
C4008
50V1
TP4001
R4042
680
R4028
1K
REG. 12V Ⓟ
A.OUT Ⓥ
NOR. A ⒸⒽ
A.SP/LP ⓈⓎ
A.MUTE Ⓗ ⓈⓎ
A.IN Ⓥ
R4019
56K
C4022
100P
R4020
5600
P4003(TO OPERATION)
4 MIC.12V P6202 - 4
3 MIC.IN. Ⓗ P6202 - 3
2 MIC.GND P6202 - 2
1 MIC.IN P6202 - 1
0 11.5 12.1 12.3 12.2 0.4 (10.7) 0 (12.1) 9.9 (0.1) 5.7 0.6 0.2 0 0 0 0 6.0
REC CTL
REC
18K
SW1
SW2
CONT MUT
SW1 SW2
L OFF OFF
M ON OFF
H ON ON
BF
REC
PB
SW1
SW2
PB
EE
LINE
2K
35dB
ALC
8.8 (11.4) 0 2.0 2.0 2.1 2.0 2.0 0 0 (5.0) 0 0 10.1 5.8 5.9 5.8
C4014 2200P
C4016 1000P
(NV-J35B)
R4015 8200
R4014 13K
R4013 390K
C4019 16V10
R4016 1M
C4021 10V100
C4026 0.1
R4044
(JUMPER:NVJ35EG)
(R4044:NV-J35B)
TP4003
C4013 680P
C4015 16V10
R4010
68K:NV-J35EG
33K:NV-J35B
C4017 10V47
R4012 330
C4018 0.0082
C4020 1000P
R4017 3000
R4018 22K
C4033 1000P
C4024 100P
R4024 100K
R4023 47K
C4023 220p
100P
C4025
R4025 100K
R4035 8200
R4032 6200
R4031 2700
(NV-J35B) ONLY
3dB UP
1.5dB DOWN
C4032 16V47
R4051 47K
12.2 12.2 12.2 0 0 0 0
IC4002
MN4066BS
0 12.2 0 0
R4021 10K
R4040 10K
C4034 680P
R4048 47K
R4022 47K

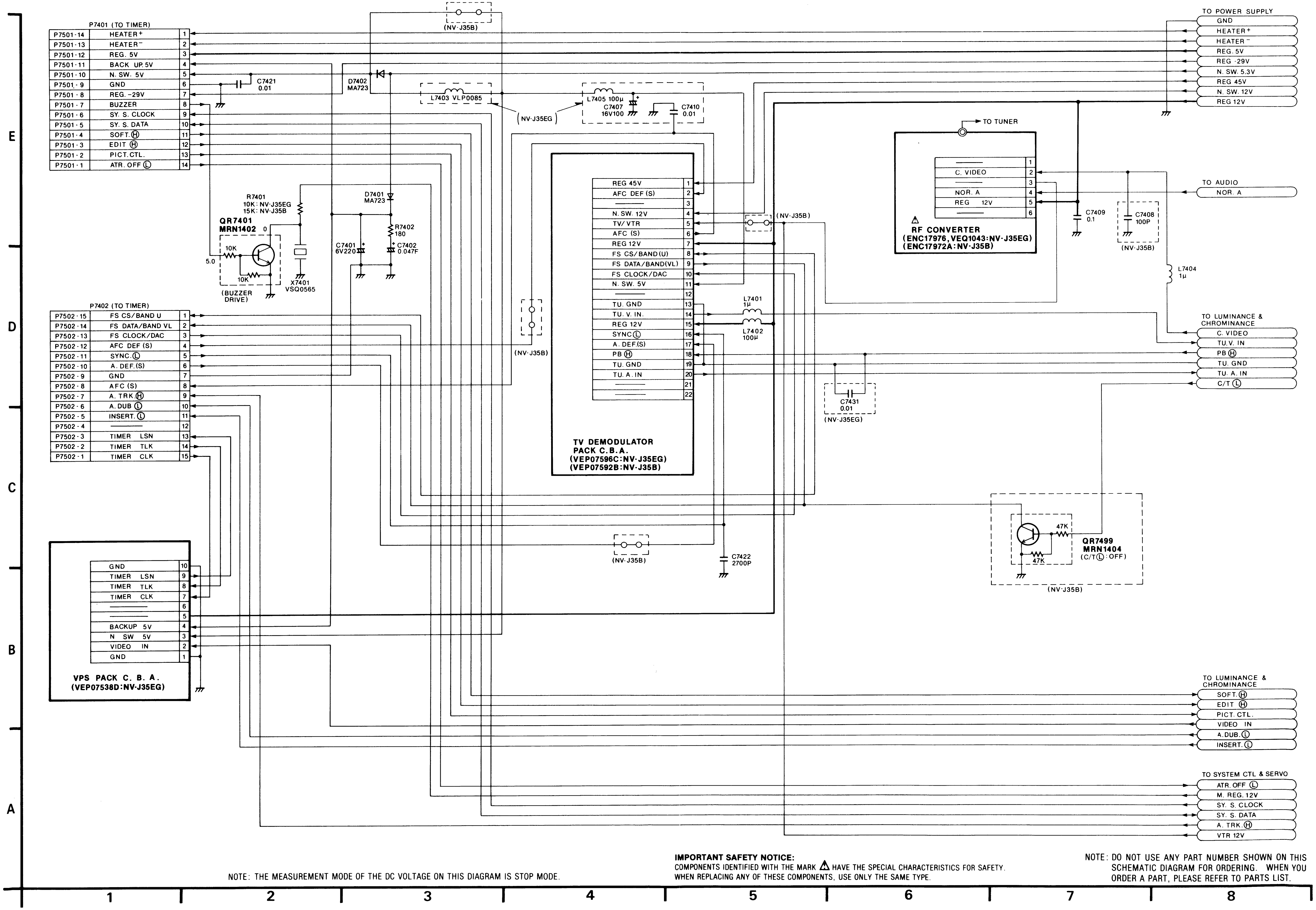
NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

• LINE IN SIGNAL LEVEL... 10dB 1kHz

NOTE : DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11

3-17. CHANNEL SELECT SCHEMATIC DIAGRAM


P7401 (TO TIMER)
P7501·14 HEATER+ 1
P7501·13 HEATER− 2
P7501·12 REG. 5V 3
P7501·11 BACK UP 5V 4
P7501·10 N. SW. 5V 5
P7501·9 GND 6
P7501·8 REG. −29V 7
P7501·7 BUZZER 8
P7501·6 SY. S. CLOCK 9
P7501·5 SY. S. DATA 10
P7501·4 SOFT. Ⓗ 11
P7501·3 EDIT Ⓗ 12
P7501·2 PICT. CTL. 13
P7501·1 ATR. OFF Ⓛ 14
C7421 0.01
D7402 MA723
(NV·J35B)
L7403 VLP0085
(NV·J35EG)
L7405 100μ
C7407 16V100
C7410 0.01
R7401 10K: NV·J35EG 15K: NV·J35B
QR7401 MRN1402
0
5.0
10K
10K
(BUZZER DRIVE)
X7401 VSQ0565
D7401 MA723
C7401 6V220
R7402 180
C7402 0.047F
P7402 (TO TIMER)
P7502·15 FS CS/BAND U 1
P7502·14 FS DATA/BAND VL 2
P7502·13 FS CLOCK/DAC 3
P7502·12 AFC DEF (S) 4
P7502·11 SYNC. Ⓛ 5
P7502·10 A. DEF. (S) 6
P7502·9 GND 7
P7502·8 AFC (S) 8
P7502·7 A. TRK Ⓗ 9
P7502·6 A. DUB Ⓛ 10
P7502·5 INSERT. Ⓛ 11
P7502·4 ——— 12
P7502·3 TIMER LSN 13
P7502·2 TIMER TLK 14
P7502·1 TIMER CLK 15
(NV·J35B)
REG 45V 1
AFC DEF (S) 2
——— 3
N. SW. 12V 4
TV/VTR 5
AFC (S) 6
REG 12V 7
FS CS/BAND (U) 8
FS DATA/BAND (VL) 9
FS CLOCK/DAC 10
N. SW. 5V 11
12
TU. GND 13
TU. V. IN. 14
REG 12V 15
SYNC Ⓛ 16
A. DEF. (S) 17
PB Ⓗ 18
TU. GND 19
TU. A. IN 20
21
22
TV DEMODULATOR PACK C.B.A. (VEP07596C: NV·J35EG) (VEP07592B: NV·J35B)
L7401 1μ
L7402 100μ
(NV·J35B)
C7431 0.01
(NV·J35EG)
TO TUNER
——— 1
C. VIDEO 2
——— 3
NOR. A 4
REG 12V 5
——— 6
⚠ RF CONVERTER (ENC17976, VEQ1043: NV·J35EG) (ENC17972A: NV·J35B)
C7409 0.1
C7408 100P
(NV·J35B)
L7404 1μ
TO POWER SUPPLY
GND
HEATER+
HEATER−
REG. 5V
REG −29V
N. SW. 5.3V
REG 45V
N. SW. 12V
REG 12V
TO AUDIO
NOR. A
TO LUMINANCE & CHROMINANCE
C. VIDEO
TU. V. IN
PB Ⓗ
TU. GND
TU. A. IN
C/T Ⓛ
(NV·J35B)
C7422 2700P
47K
47K
QR7499 MRN1404 (C/T Ⓛ: OFF)
(NV·J35B)
GND 10
TIMER LSN 9
TIMER TLK 8
TIMER CLK 7
——— 6
——— 5
BACKUP 5V 4
N SW 5V 3
VIDEO IN 2
GND 1
VPS PACK C. B. A. (VEP07538D: NV·J35EG)
TO LUMINANCE & CHROMINANCE
SOFT. Ⓗ
EDIT Ⓗ
PICT. CTL.
VIDEO IN
A. DUB. Ⓛ
INSERT. Ⓛ
TO SYSTEM CTL & SERVO
ATR. OFF Ⓛ
M. REG. 12V
SY. S. CLOCK
SY. S. DATA
A. TRK. Ⓗ
VTR 12V
E
D
C
B
A
1
2
3
4
5
6
7
8

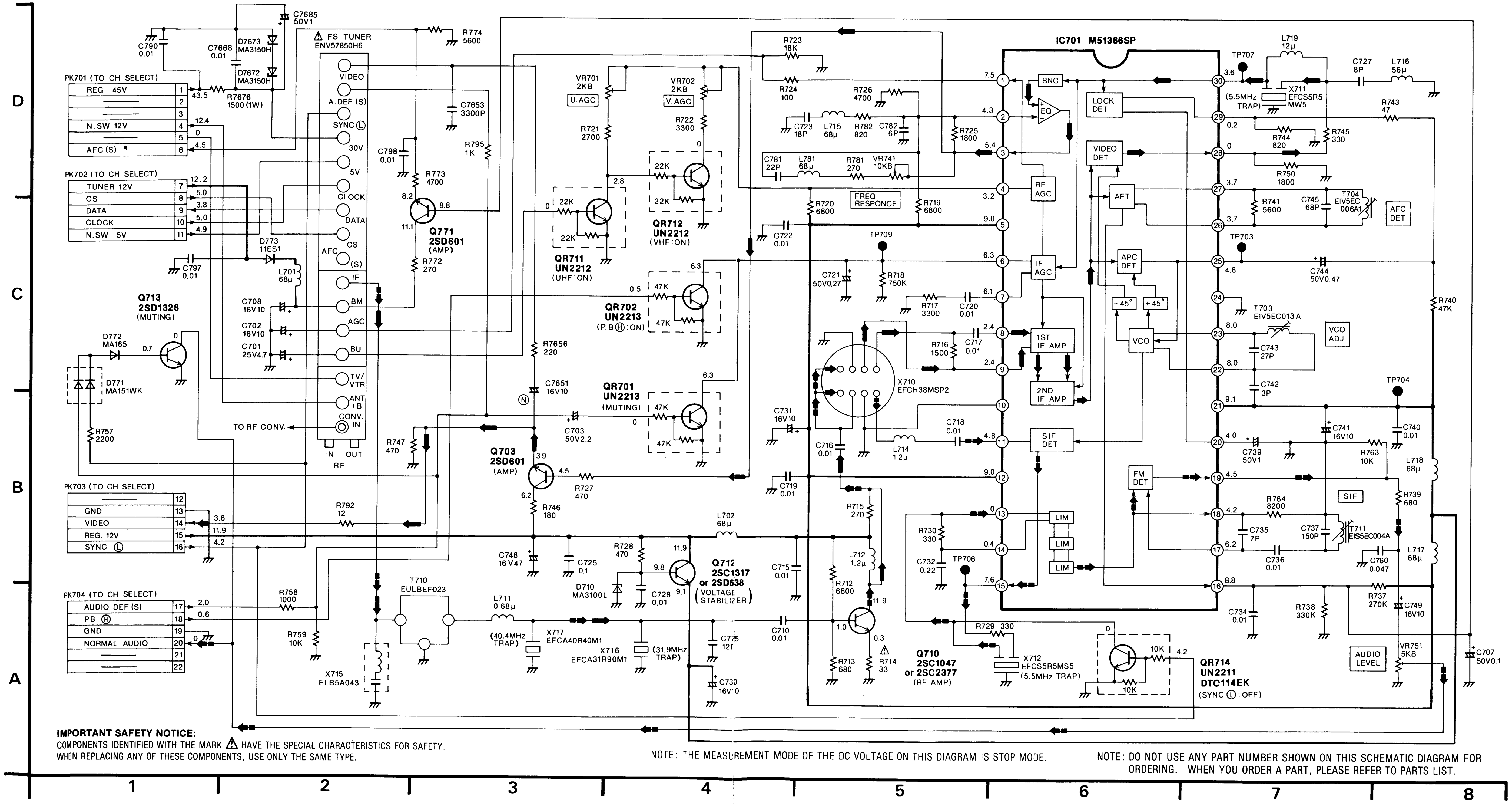
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-18. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J35EG)

◀ VIDEO SIGNAL PATH ◀ AUDIO SIGNAL PATH


IC701 M51366SP
⚠ FS TUNER ENV57850H6
PK701 (TO CH SELECT)
REG 45V
N.SW 12V
AFC (S)
PK702 (TO CH SELECT)
TUNER 12V
CS
DATA
CLOCK
N.SW 5V
PK703 (TO CH SELECT)
GND
VIDEO
REG. 12V
SYNC Ⓛ
PK704 (TO CH SELECT)
AUDIO DEF (S)
PB Ⓗ
GND
NORMAL AUDIO
VIDEO
A.DEF (S)
SYNC Ⓛ
30V
5V
CLOCK
DATA
CS
AFC (S)
IF
BM
AGC
BU
TV/VTR
ANT +B
CONV. IN
IN OUT RF
TO RF CONV.
Q713 2SD1328 (MUTING)
D772 MA165
D771 MA151WK
R757 2200
C790 0.01
C7668 0.01
D7673 MA3150H
D7672 MA3150H
C7685 50V1
R7676 1500 (1W)
D773 11ES1
L701 68μ
C797 0.01
C708 16V10
C702 16V10
C701 25V4.7
C7653 3300P
C798 0.01
R773 4700
R774 5600
R795 1K
Q771 2SD601 (AMP)
R772 270
VR701 2KB
U.AGC
R721 2700
VR702 2KB
V.AGC
R722 3300
QR711 UN2212 (UHF:ON)
QR712 UN2212 (VHF:ON)
QR702 UN2213 (P.B Ⓗ:ON)
QR701 UN2213 (MUTING)
R7656 220
C7651 16V10
C703 50V2.2
R747 470
Q703 2SD601 (AMP)
R727 470
R746 180
R792 12
R758 1000
R759 10K
T710 EULBEF023
X715 ELB5A043
L711 0.68μ
(40.4MHz TRAP)
X717 EFCA40R40M1
X716 EFCA31R90M1
(31.9MHz TRAP)
C748 16V47
C725 0.1
R728 470
D710 MA3100L
C728 0.01
Q712 2SC1317 or 2SD638 (VOLTAGE STABILIZER)
L702 68μ
C775 12P
C730 16V10
C715 0.01
C710 0.01
R723 18K
R724 100
R726 4700
C723 18P
L715 68μ
R782 820
C782 6P
R725 1800
C781 22P
L781 68μ
R781 270
VR741 10KB
FREQ. RESPONCE
R720 6800
R719 6800
C722 0.01
TP709
C721 50V0.27
R718 750K
R717 3300
C720 0.01
R716 1500
C717 0.01
X710 EFCH38MSP2
C731 16V10
C716 0.01
C718 0.01
L714 1.2μ
C719 0.01
R715 270
L712 1.2μ
R712 6800
R730 330
C732 0.22
TP706
R729 330
X712 EFCS5R5MS5 (5.5MHz TRAP)
R713 680
R714 33
Q710 2SC1047 or 2SC2377 (RF AMP)
QR714 UN2211 DTC114EK (SYNC Ⓛ:OFF)
BNC
EQ
LOCK DET
VIDEO DET
RF AGC
IF AGC
AFT
APC DET
-45°
+45°
VCO
1ST IF AMP
2ND IF AMP
SIF DET
FM DET
LIM
TP707
L719 12μ
C727 8P
L716 56μ
(5.5MHz TRAP)
X711 EFCS5R5 MW5
R743 47
R744 820
R745 330
R750 1800
R741 5600
C745 68P
T704 EIV5EC006A1
AFC DET
TP703
C744 50V0.47
R740 47K
T703 EIV5EC013A
VCO ADJ.
C743 27P
C742 3P
TP704
C741 16V10
C740 0.01
C739 50V1
R763 10K
L718 68μ
SIF
R764 8200
R739 680
C735 7P
C737 150P
T711 EIS5EC004A
L717 68μ
C736 0.01
C760 0.047
R737 270K
C749 16V10
C734 0.01
R738 330K
AUDIO LEVEL
VR751 5KB
C707 50V0.1
1
2
3
4
5
6
7
8
D
C
B
A

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

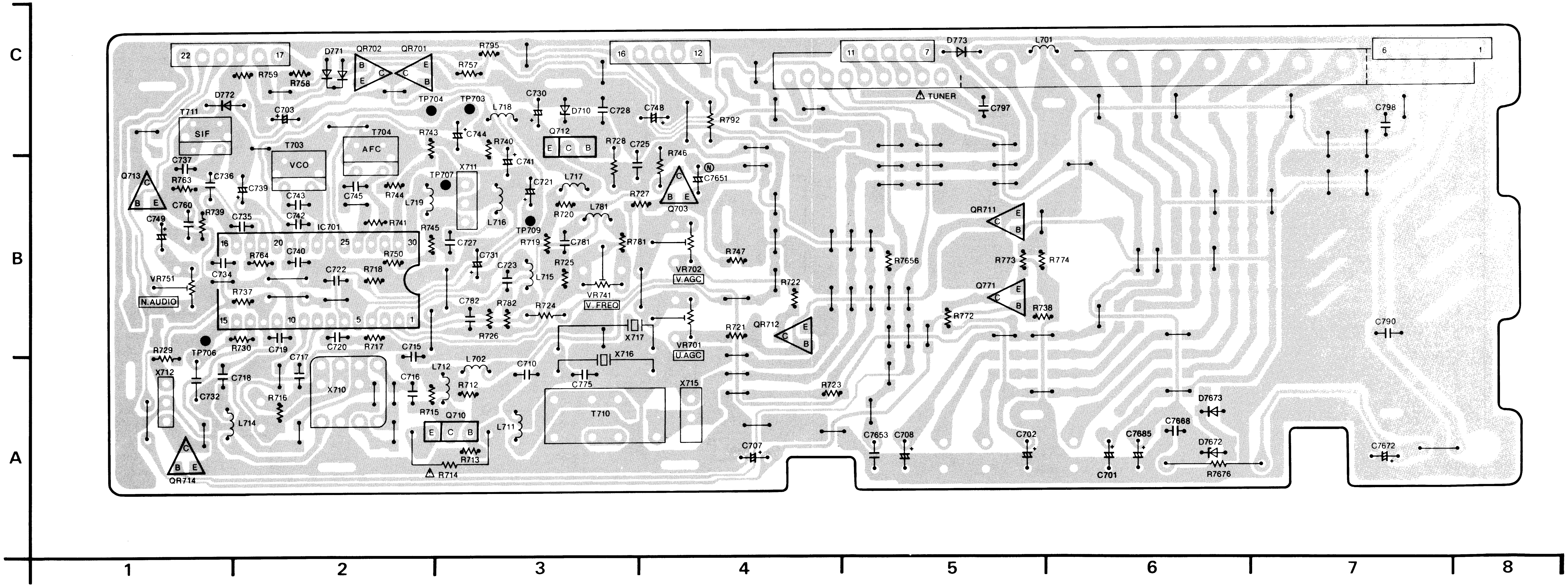
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
CHANNEL SELECT Section

3-19. TV DEMODULATOR PACK C.B.A. (VEP07596C: NV-J35EG)

TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q710	A-3	TP704	C-2
Q712	C-3	TP706	B-1
Q713	B-1	TP707	B-3
Q771	B-5	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	C-2
QR702	C-2	T704	C-2
QR711	B-5	T710	A-3
QR712	B-4	T711	C-1
QR714	A-1	VR701	B-4
Integrated Circuit		VR702	B-4
		VR741	B-3
IC701	B-2	VR751	B-1

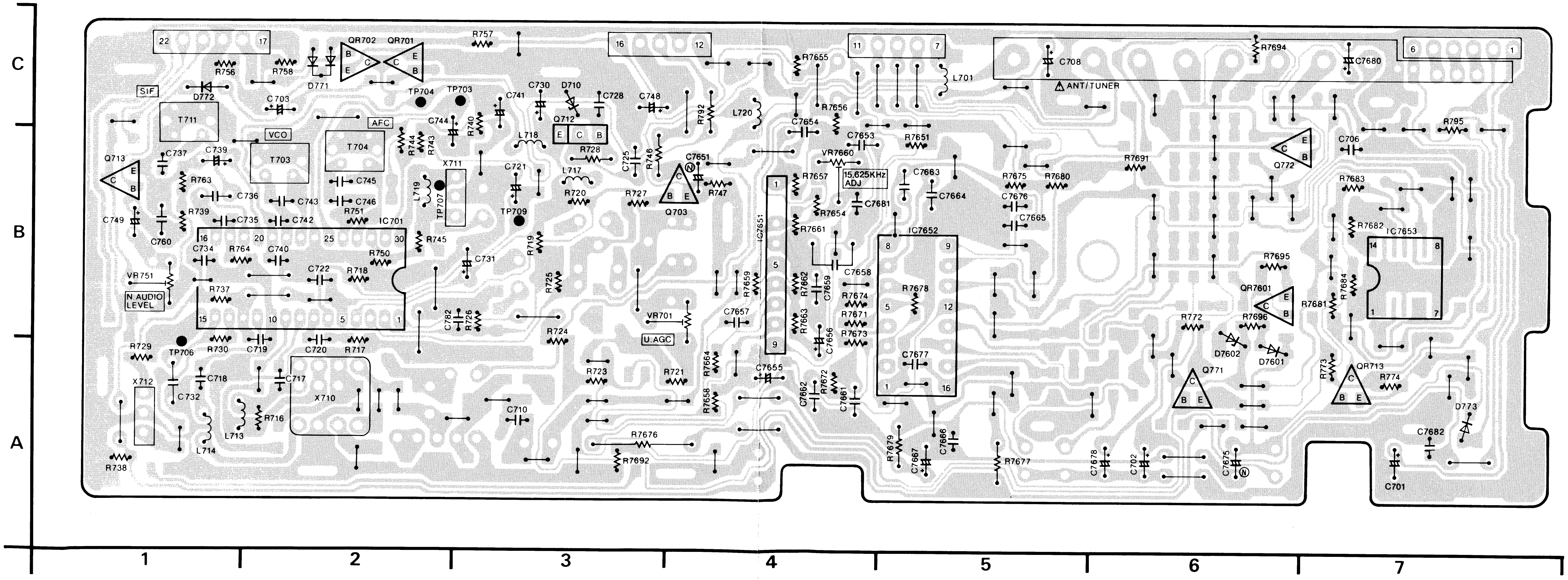
ADDRESS INFORMATION


C
B
A
1
2
3
4
5
6
7
8
22
17
16
12
11
7
6
1
D771
QR702
QR701
R795
R757
R759
R758
D772
T711
SIF
C703
TP704
TP703
C730
L718
D710
C728
C748
R792
D773
L701
TUNER
C797
C798
T703
VCO
T704
AFC
R743
C744
R740
C741
Q712
E C B
R728
C725
R746
C7651
Q713
C737
C736
R763
C739
C743
C745
R744
L719
TP707
X711
C721
L717
R727
Q703
C760
R739
C749
C735
C742
IC701
R741
R745
L716
TP709
R720
L781
R719
C781
R781
C727
16
20
25
30
R750
R764
C740
C731
C723
L715
R725
VR702
V.AGC
R747
R7656
QR711
R773
R774
VR751
C734
C722
R718
VR741
V. FREQ
R722
Q771
N.AUDIO
R737
C782
R782
R724
R726
R772
R738
15
10
5
1
X717
VR701
U.AGC
R721
QR712
C790
R729
TP706
R730
C719
C720
R717
C715
C717
X716
R723
X712
C718
C732
R716
X710
L712
L702
C710
C775
X715
C716
R712
D7673
C7688
L714
R715
Q710
L711
T710
C7653
C708
C702
C7685
D7672
R713
C707
C701
R7676
C7672
QR714
R714

3-20. TV DEMODULATOR PACK C.B.A. (VEP07592B: NV-J35B)

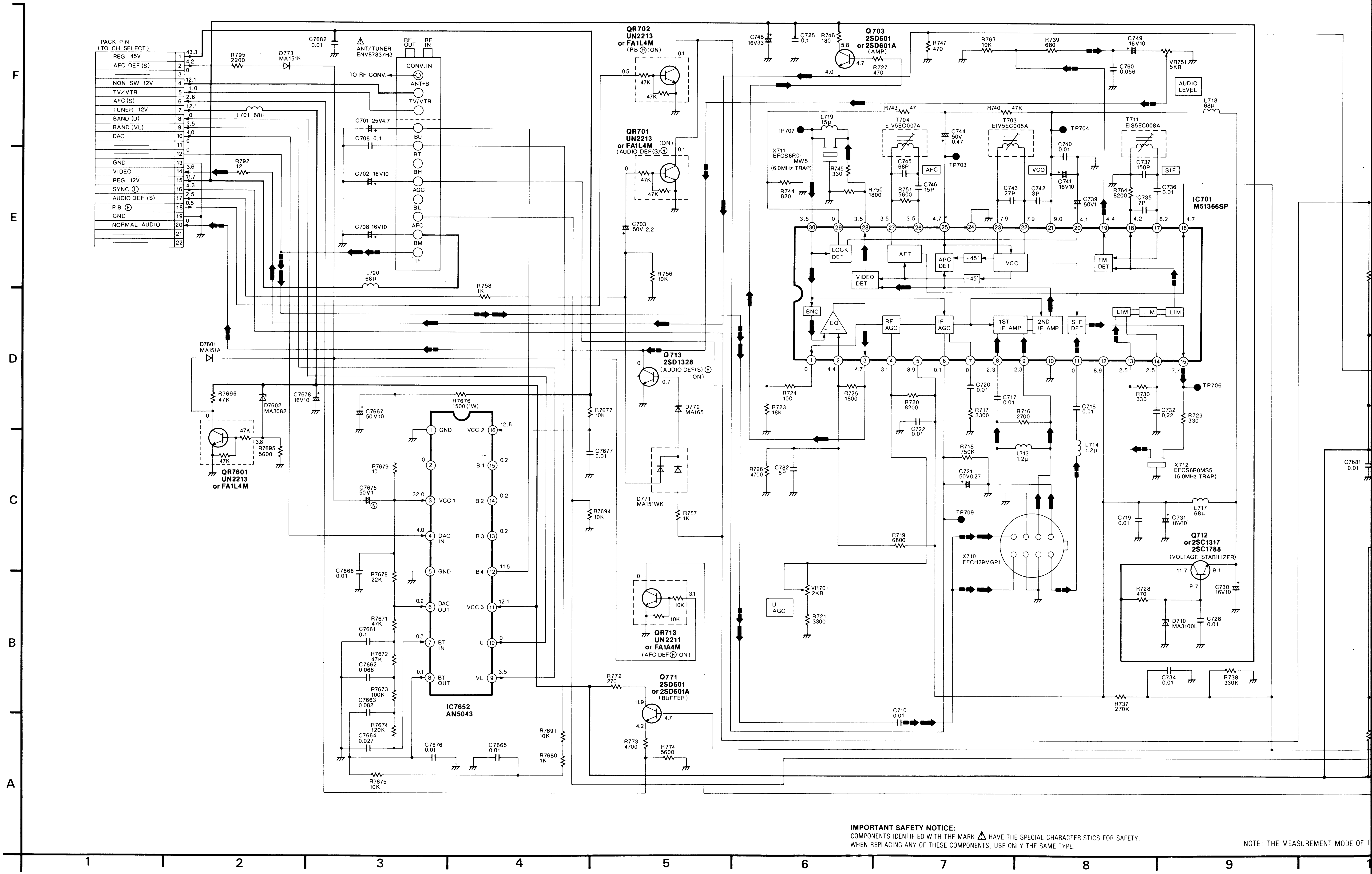
TV DEMODULATOR PACK C.B.A.			
Transistor		**Test Point**	
Q703	B-4	TP703	C-3
Q712	B-3	TP704	C-2
Q713	B-1	TP706	A-1
Q771	B-6	TP707	B-2
Q772	A-6	TP709	B-3
Transistor & Resistor		**Adjustment**	
QR701	C-2	T703	B-2
QR702	C-2	T704	B-2
QR713	A-7	T711	C-1
QR7601	B-6	VR701	B-4
Integrated Circuit		VR751	B-1
IC701	B-2	VR7660	B-4
IC7651	B-4		
IC7652	B-5		
IC7653	A-7		

ADDRESS INFORMATION


C
B
A
1
2
3
4
5
6
7
22
17
16
12
11
7
6
1
SIF
D772
R756
R758
D771
QR702
QR701
R757
T711
VCO
T703
AFC
T704
TP704
TP703
C703
C737
C739
Q713
R763
C736
C743
C745
C746
C749
C760
R739
C735
C742
R751
IC701
X711
L719
TP707
TP709
C744
R744
R743
R740
C741
C730
D710
C728
C748
L718
Q712
R728
L717
R720
C721
C725
R746
R727
C7651
Q703
R747
R792
L720
R7655
R7656
C7654
C7653
R7651
VR7660
R7657
15.625KHz ADJ
C7663
C7664
C7681
R7654
R7661
IC7651
IC7652
L701
C708
ANT/TUNER
R7694
C7680
R795
C706
Q772
R7691
R7675
R7680
C7676
C7665
R7683
R7682
IC7653
R7695
QR7601
R7681
R7684
R7696
R772
D7602
D7601
Q771
R773
QR713
R774
D773
C7682
C701
C702
C7675
C7678
R7677
C7686
C7667
R7679
C7661
C7662
R7672
R7671
R7673
R7674
C7677
C7656
C7658
C7659
R7662
R7663
R7678
C7655
R7664
R7658
R7659
C7657
VR701
U.AGC
R721
R723
R724
R725
R719
C731
R745
R750
R718
C722
C740
R764
C734
VR751
N AUDIO LEVEL
R737
R729
TP706
R730
C719
C720
R717
C782
R726
X712
C732
C718
C717
X710
R716
L713
L714
R738
C710
R7676
R7692

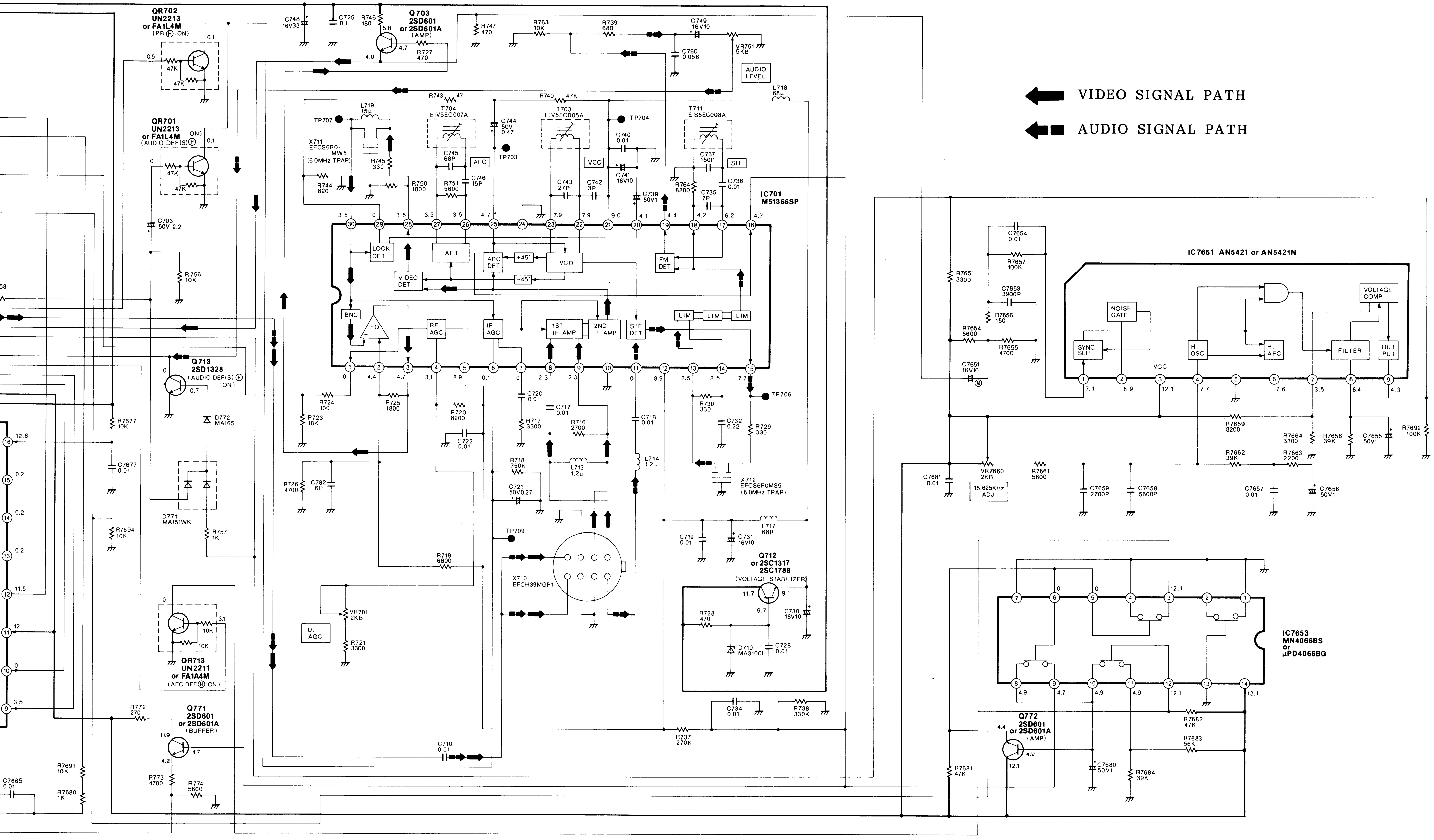
Back Page:
TV DEMODULATOR Section

3-21. TV DEMODULATOR PACK SCHEMATIC DIAGRAM (NV-J35B)


PACK PIN (TO CH SELECT)
REG 45V
AFC DEF (S)
NON SW 12V
TV/VTR
AFC (S)
TUNER 12V
BAND (U)
BAND (VL)
DAC
GND
VIDEO
REG 12V
SYNC Ⓛ
AUDIO DEF (S)
P.B Ⓗ
GND
NORMAL AUDIO
R795 2200
D773 MA151K
C7682 0.01
ANT/TUNER ENV87837H3
RF OUT
RF IN
TO RF CONV.
CONV.IN
ANT+B
TV/VTR
BU
BT
BH
AGC
BL
AFC
BM
IF
L701 68μ
R792 12
C701 25V4.7
C706 0.1
C702 16V10
C708 16V10
L720 68μ
R758 1K
QR702 UN2213 or FA1L4M (P.B Ⓗ ON)
QR701 UN2213 or FA1L4M (AUDIO DEF(S)Ⓗ ON)
C703 50V 2.2
R756 10K
Q713 2SD1328 (AUDIO DEF(S) Ⓗ :ON)
D772 MA165
D771 MA151WK
R757 1K
QR713 UN2211 or FA1A4M (AFC DEFⒽ:ON)
Q771 2SD601 or 2SD601A (BUFFER)
R772 270
R773 4700
R774 5600
D7601 MA151A
R7696 47K
D7602 MA3082
C7678 16V10
QR7601 UN2213 or FA1L4M
R7695 5600
C7667 50V10
R7676 1500 (1W)
R7677 10K
C7677 0.01
R7694 10K
R7679 10
C7675 50V1
C7666 0.01
R7678 22K
R7671 47K
C7661 0.1
R7672 47K
C7662 0.068
R7673 100K
C7663 0.082
R7674 120K
C7664 0.027
C7676 0.01
C7665 0.01
R7675 10K
R7691 10K
R7680 1K
IC7652 AN5043
GND
VCC 2
B 1
VCC 1
B 2
DAC IN
B 3
GND
B 4
DAC OUT
VCC 3
BT IN
U
BT OUT
VL
C748 16V33
C725 0.1
R746 180
Q703 2SD601 or 2SD601A (AMP)
R727 470
R747 470
R763 10K
R739 680
C749 16V10
C760 0.056
VR751 5KB
AUDIO LEVEL
L718 68μ
TP707
L719 15μ
X711 EFCS6R0-MW5 (6.0MHz TRAP)
R744 820
R745 330
R750 1800
R743 47
T704 EIV5EC007A
C745 68P
R751 5600
C746 15P
AFC
C744 50V 0.47
TP703
R740 47K
T703 EIV5EC005A
C743 27P
C742 3P
VCO
TP704
C740 0.01
C741 16V10
C739 50V1
T711 EIS5EC008A
C737 150P
SIF
R764 8200
C735 7P
C736 0.01
IC701 M51366SP
LOCK DET
AFT
APC DET
+45°
-45°
VCO
FM DET
VIDEO DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
TP706
R724 100
R723 18K
R725 1800
R720 8200
C722 0.01
C720 0.01
R717 3300
C717 0.01
R716 2700
C718 0.01
R730 330
C732 0.22
R729 330
R726 4700
C782 6P
R718 750K
L713 1.2μ
L714 1.2μ
C721 50V0.27
X712 EFCS6R0MS5 (6.0MHz TRAP)
TP709
X710 EFCH39MGP1
R719 6800
VR701 2KB
U AGC
R721 3300
C719 0.01
C731 16V10
L717 68μ
Q712 2SC1317 or 2SC1788 (VOLTAGE STABILIZER)
R728 470
C730 16V10
D710 MA3100L
C728 0.01
C734 0.01
R738 330K
R737 270K
C710 0.01
C7681 0.01
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF T


VIDEO SIGNAL PATH
AUDIO SIGNAL PATH
QR702 UN2213 or FA1L4M (PB Ⓗ :ON)
QR701 UN2213 or FA1L4M (AUDIO DEF(S)Ⓗ :ON)
Q703 2SD601 or 2SD601A (AMP)
Q713 2SD1328 (AUDIO DEF(S) Ⓗ :ON)
QR713 UN2211 or FA1A4M (AFC DEF Ⓗ :ON)
Q771 2SD601 or 2SD601A (BUFFER)
IC701 M51366SP
LOCK DET
AFT
APC DET
VCO
FM DET
VIDEO DET
BNC
EQ
RF AGC
IF AGC
1ST IF AMP
2ND IF AMP
SIF DET
LIM
T704 EIV5EC007A
T703 EIV5EC005A
T711 EIS5EC008A
AFC
VCO
SIF
AUDIO LEVEL
X711 EFCS6R0-MW5 (6.0MHz TRAP)
X712 EFCS6R0MS5 (6.0MHz TRAP)
X710 EFCH39MGP1
U. AGC
VR701 2KB
VR751 5KB
D771 MA151WK
D772 MA165
D710 MA3100L
Q712 or 2SC1317 2SC1788 (VOLTAGE STABILIZER)
TP703
TP704
TP706
TP707
TP709
IC7651 AN5421 or AN5421N
NOISE GATE
SYNC SEP
H. OSC
H. AFC
FILTER
VOLTAGE COMP.
OUT-PUT
VCC
VR7660 2KB
15.625KHz ADJ.
IC7653 MN4066BS or μPD4066BG
Q772 2SD601 or 2SD601A (AMP)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

4 5 6 7 8 9 10 11 12 13

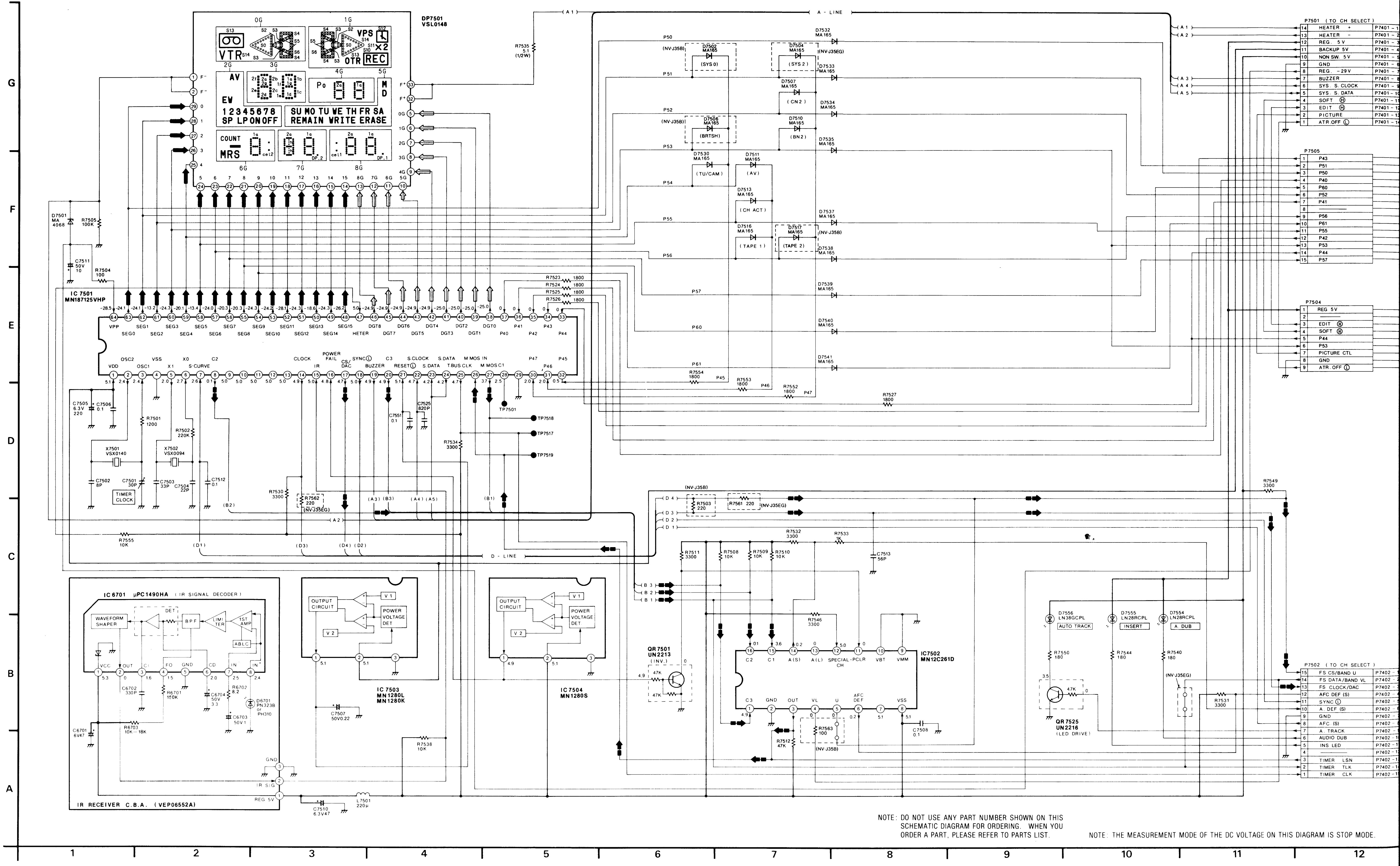
Next Page:
TIMER & OPERATION Section

3-22. TIMER & OPERATION SCHEMATIC DIAGRAM

SEGMENT CONTROL SIGNAL

GRID CONTROL SIGNAL

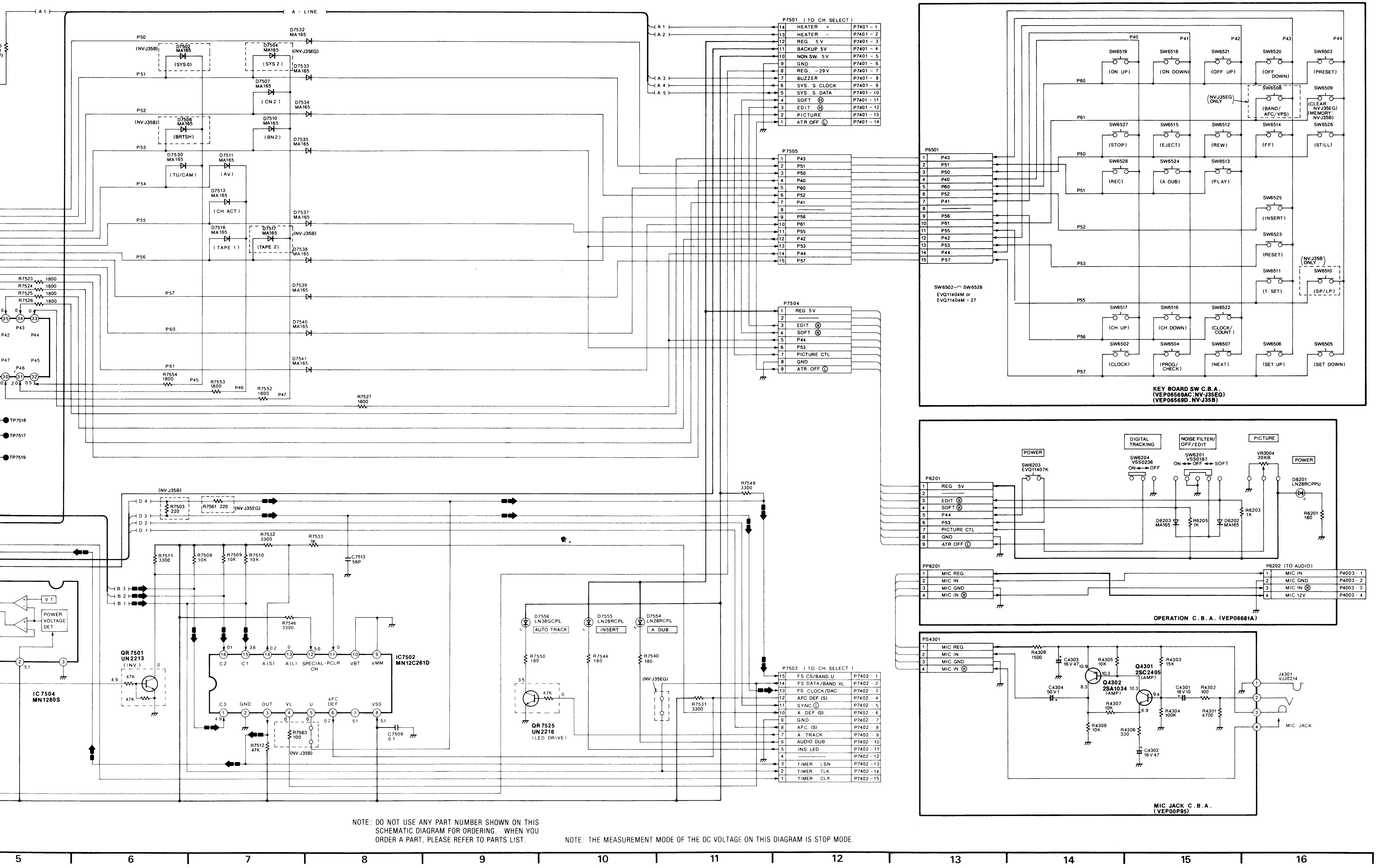
TUNE CONTROL SIGNAL


DP7501
VSL0148
VTR
VPS
OTR
REC
AV
EW
12345678
SP LPONOFF
SU MO TU WE TH FR SA
REMAIN WRITE ERASE
COUNT
MRS
IC 7501
MN187125VHP
VPP
SEG0
SEG1
SEG2
SEG3
SEG4
SEG5
SEG6
SEG7
SEG8
SEG9
SEG10
SEG11
SEG12
SEG13
SEG14
SEG15
HETER
DGT8
DGT7
DGT6
DGT5
DGT4
DGT3
DGT2
DGT1
DGT0
P40
P41
P42
P43
P44
VDD
OSC2
OSC1
VSS
X0
X1
S·CURVE
C2
CLOCK
IR
POWER FAIL
CS/DAC
SYNC
BUZZER
C3
RESET
S.CLOCK
S.DATA
TBUS CLK
M.MOS IN
M.MOS C1
P47
P46
P45
D7501 MA 4068
R7505 100K
C7511 50V 10
R7504 100
C7505 6.3V 220
C7506 0.1
R7501 1200
R7502 220K
X7501 VSX0140
X7502 VSX0094
C7502 8P
C7501 30P
C7503 33P
C7504 22P
C7512 0.1
TIMER CLOCK
R7555 10K
R7530 3300
R7562 220 (NV-J35EG)
C7551 0.1
C7525 820P
R7534 3300
TP7501
TP7518
TP7517
TP7519
R7523 1800
R7524 1800
R7525 1800
R7526 1800
R7535 5.1 (1/2W)
A - LINE
D - LINE
P50
P51
P52
P53
P54
P55
P56
P57
P60
P61
D7502 MA165 (SYS 0) (NV-J35B)
D7504 MA165 (SYS 2) (NV-J35EG)
D7506 MA165 (BRTSH) (NV-J35B)
D7507 MA165 (CN2)
D7510 MA165 (BN2)
D7530 MA165 (TU/CAM)
D7511 MA165 (AV)
D7513 MA165 (CH ACT)
D7516 MA165 (TAPE 1)
D7517 MA165 (TAPE 2) (NV-J35B)
D7532 MA165
D7533 MA165
D7534 MA165
D7535 MA165
D7537 MA165
D7538 MA165
D7539 MA165
D7540 MA165
D7541 MA165
R7554 1800
R7553 1800
R7552 1800
R7527 1800
P45
P46
P47
P7501 (TO CH SELECT)
14 HEATER + P7401-1
13 HEATER − P7401-2
12 REG. 5V P7401-3
11 BACKUP 5V P7401-4
10 NON SW. 5V P7401-5
9 GND P7401-6
8 REG. −29V P7401-7
7 BUZZER P7401-8
6 SYS. S. CLOCK P7401-9
5 SYS. S. DATA P7401-10
4 SOFT Ⓗ P7401-11
3 EDIT Ⓗ P7401-12
2 PICTURE P7401-13
1 ATR.OFF Ⓛ P7401-14
P7505
1 P43
2 P51
3 P50
4 P40
5 P60
6 P52
7 P41
8 ———
9 P56
10 P61
11 P55
12 P42
13 P53
14 P44
15 P57
P7504
1 REG 5V
2 ———
3 EDIT Ⓗ
4 SOFT Ⓗ
5 P44
6 P53
7 PICTURE CTL
8 GND
9 ATR. OFF Ⓛ
R7549 3300
(NV-J35B)
R7503 220
R7561 220 (NV-J35EG)
R7532 3300
R7533 1K
R7511 3300
R7508 10K
R7509 10K
R7510 10K
C7513 56P
R7546 3300
IC7502
MN12C261D
C2
C1
A(S)
A(L)
SPECIAL·PCLR CH
VBT
VMM
C3
GND
OUT
VL
U
AFC DEF
VSS
R7563 100 (NV-J35B)
R7512 47K
C7508 0.1
QR7501 UN2213 (INV.)
47K
D7556 LN38GCPL AUTO TRACK
D7555 LN28RCPL INSERT
D7554 LN28RCPL A. DUB
R7550 180
R7544 180
R7540 180
QR7525 UN2216 (LED DRIVE)
(NV-J35EG)
R7531 3300
P7502 (TO CH SELECT)
15 FS CS/BAND U P7402-1
14 FS DATA/BAND VL P7402-2
13 FS CLOCK/DAC P7402-3
12 AFC DEF (S) P7402-4
11 SYNC Ⓛ P7402-5
10 A. DEF (S) P7402-6
9 GND P7402-7
8 AFC. (S) P7402-8
7 A. TRACK P7402-9
6 AUDIO DUB P7402-10
5 INS LED P7402-11
4 ——— P7402-12
3 TIMER LSN P7402-13
2 TIMER TLK P7402-14
1 TIMER CLK P7402-15
IC6701 μPC1490HA (IR SIGNAL DECODER)
WAVEFORM SHAPER
DET
BPF
LIMITER
1ST AMP
ABLC
VCC
OUT
CI
FO
GND
CD
IN
C6702 330P
R6701 150K
C6704 50V 3.3
R6702 8.2
D6701 PN323B or PH310
C6703 50V 1
R6703 10K - 18K
C6701 6V47
GND
IR SIG
REG 5V
IR RECEIVER C.B.A. (VEP06552A)
OUTPUT CIRCUIT
POWER VOLTAGE DET
V1
V2
IC 7503 MN1280L MN1280K
IC 7504 MN1280S
C7507 50V0.22
R7538 10K
C7510 6.3V47
L7501 220μ
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

SEGMENT CONTROL SIGNAL GRID CONTROL SIGNAL TUNE CONTROL SIGNAL

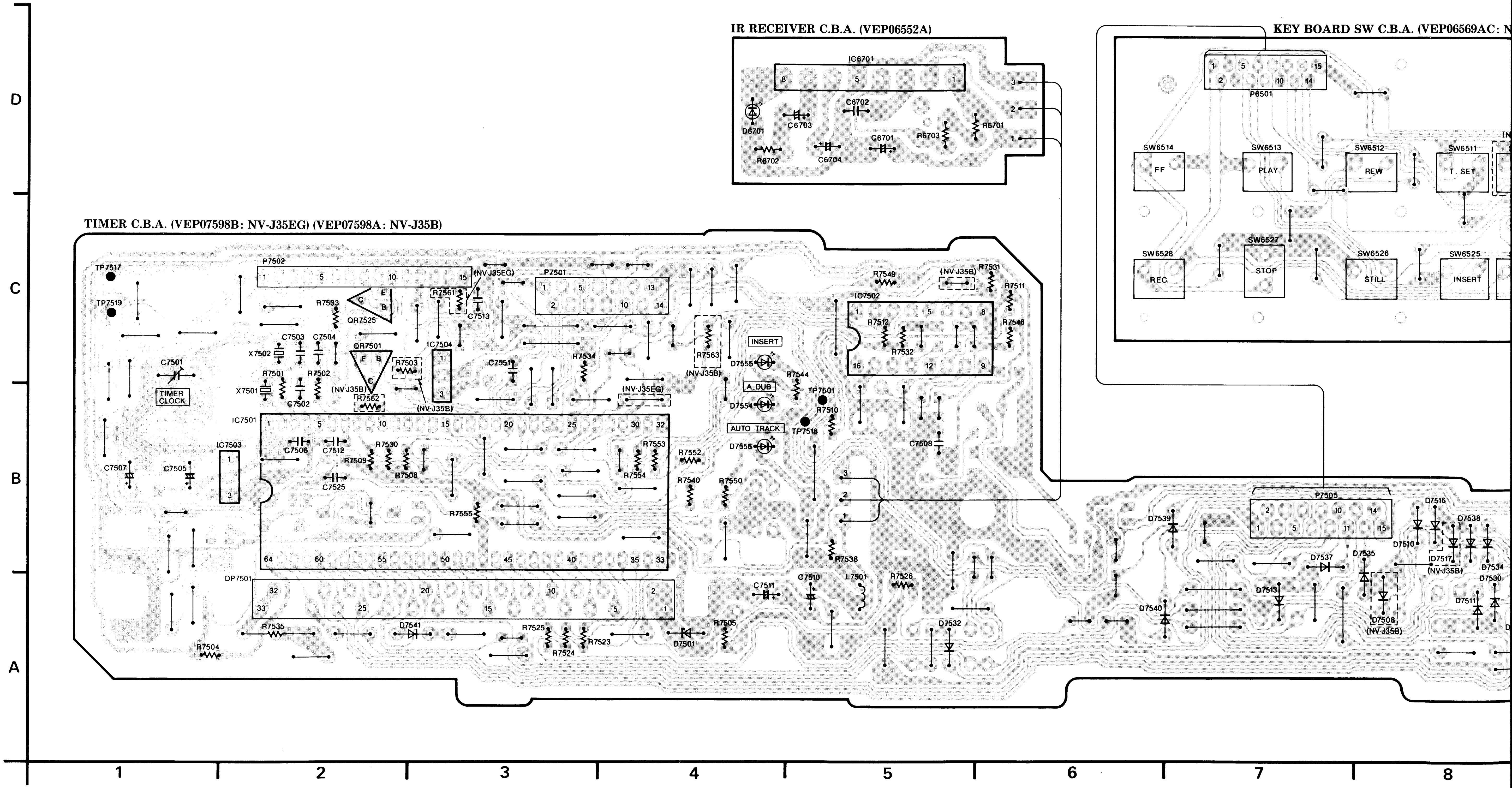


A - LINE
P7501 (TO CH SELECT)
14 HEATER + P7401 - 1
13 HEATER - P7401 - 2
12 REG. 5V P7401 - 3
11 BACKUP 5V P7401 - 4
10 NON SW. 5V P7401 - 5
9 GND P7401 - 6
8 REG. -29V P7401 - 7
7 BUZZER P7401 - 8
6 SYS. S. CLOCK P7401 - 9
5 SYS. S. DATA P7401 - 10
4 SOFT Ⓗ P7401 - 11
3 EDIT Ⓗ P7401 - 12
2 PICTURE P7401 - 13
1 ATR.OFF Ⓛ P7401 - 14
P7505
1 P43
2 P51
3 P50
4 P40
5 P60
6 P52
7 P41
9 P56
10 P61
11 P55
12 P42
13 P53
14 P44
15 P57
P7504
1 REG 5V
3 EDIT Ⓗ
4 SOFT Ⓗ
5 P44
6 P53
7 PICTURE CTL
8 GND
9 ATR. OFF Ⓛ
P7502 (TO CH SELECT)
15 FS CS/BAND U P7402 - 1
14 FS DATA/BAND VL P7402 - 2
13 FS CLOCK/DAC P7402 - 3
12 AFC DEF (S) P7402 - 4
11 SYNC Ⓛ P7402 - 5
10 A. DEF (S) P7402 - 6
9 GND P7402 - 7
8 AFC (S) P7402 - 8
7 A. TRACK P7402 - 9
6 AUDIO DUB P7402 - 10
5 INS LED P7402 - 11
4 P7402 - 12
3 TIMER LSN P7402 - 13
2 TIMER TLK P7402 - 14
1 TIMER CLK P7402 - 15
P50 P51 P52 P53 P54 P55 P56 P57 P60 P61
D7502 MA165 (SYS 0) (NV-J35B)
D7504 MA165 (SYS 2) (NV-J35EG)
D7506 MA165 (BRTSH) (NV-J35B)
D7507 MA165 (CN 2)
D7510 MA165 (BN 2)
D7530 MA165 (TU/CAM)
D7511 MA165 (AV)
D7513 MA165 (CH ACT)
D7516 MA165 (TAPE 1)
D7517 MA165 (TAPE 2) (NV-J35B)
D7532 MA165
D7533 MA165
D7534 MA165
D7535 MA165
D7537 MA165
D7538 MA165
D7539 MA165
D7540 MA165
D7541 MA165
R7523 1800
R7524 1800
R7525 1800
R7526 1800
R7554 1800
R7553 1800
R7552 1800
R7527 1800
P42 P43 P44 P45 P46 P47
TP7518
TP7517
TP7519
(NV-J35B)
R7503 220
R7561 220 (NV-J35EG)
R7549 3300
R7532 3300
R7533 1K
C7513 56P
R7511 3300
R7508 10K
R7509 10K
R7510 10K
R7546 3300
IC7502 MN12C261D
C2 C1 A(S) A(L) SPECIAL-PCLR CH VBT VMM
C3 GND OUT VL U AFC DEF VSS
R7563 100 (NV-J35B)
R7512 47K
C7508 0.1
R7531 3300
QR7501 UN2213 (INV.)
47K 47K
IC7504 MN1280S
POWER VOLTAGE DET.
V1
D7556 LN38GCPL AUTO TRACK
D7555 LN28RCPL INSERT
D7554 LN28RCPL A. DUB
R7550 180
R7544 180
R7540 180
(NV-J35EG)
QR7525 UN2216 (LED DRIVE)
P6501
1 P43
2 P51
3 P50
4 P40
5 P60
6 P52
7 P41
9 P56
10 P61
11 P55
12 P42
13 P53
14 P44
15 P57
P40 P41 P42 P43 P44
SW6519 (ON UP)
SW6518 (ON DOWN)
SW6521 (OFF UP)
SW6520 (OFF DOWN)
SW6503 (PRESET)
SW6508 (BAND/AFC/VPS) (NV-J35EG) ONLY
SW6509 (CLEAR: NV-J35EG) (MEMORY: NV-J35B)
SW6527 (STOP)
SW6515 (EJECT)
SW6512 (REW)
SW6514 (FF)
SW6526 (STILL)
SW6528 (REC)
SW6524 (A-DUB)
SW6513 (PLAY)
SW6525 (INSERT)
SW6523 (RESET)
SW6511 (T. SET)
SW6510 (SP/LP) (NV-J35B) ONLY
SW6517 (CH UP)
SW6516 (CH DOWN)
SW6522 (CLOCK/COUNT)
SW6502 (CLOCK)
SW6504 (PROG/CHECK)
SW6507 (NEXT)
SW6506 (SET UP)
SW6505 (SET DOWN)
SW6502~SW6528 EVQ11404M or EVQ71404M × 27
KEY BOARD SW C.B.A. (VEP06569AC:NV-J35EG) (VEP06569D:NV-J35B)
POWER SW6203 EVQ11407K
DIGITAL TRACKING SW6204 VSS0236 ON ← → OFF
NOISE FILTER/OFF/EDIT SW6201 VSS0187 ON ← → OFF ← → SOFT
PICTURE VR3004 20KB
POWER D6201 LN28RCPPU
R6201 180
R6203 1K
D6203 MA165
R6205 1K
D6202 MA165
P6201
1 REG 5V
3 EDIT Ⓗ
4 SOFT Ⓗ
5 P44
6 P53
7 PICTURE CTL
8 GND
9 ATR OFF Ⓛ
PP6201
1 MIC REG
2 MIC IN
3 MIC GND
4 MIC IN Ⓗ
P6202 (TO AUDIO)
1 MIC IN P4003 - 1
2 MIC GND P4003 - 2
3 MIC IN Ⓗ P4003 - 3
4 MIC 12V P4003 - 4
OPERATION C.B.A. (VEP06681A)
PS4301
1 MIC REG
2 MIC IN
3 MIC GND
4 MIC IN Ⓗ
R4309 1500
C4303 16V 47
R4305 10K
Q4301 2SC2405 (AMP)
R4303 15K
Q4302 2SA1034 (AMP)
C4304 50V 1
R4307 10K
C4301 16V 10
R4302 100
R4308 10K
R4306 330
R4304 100K
R4301 4700
C4302 16V 47
J4301 VJJ0214
MIC JACK
MIC JACK C.B.A. (VEP00P95)
5 6 7 8 9 10 11 12 13 14 15 16

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-23. TIMER C.B.A. (VEP07598B: NV-J35EG) (VEP07598A: NV-J35B) & OPERATION C.B.A. (VEP06681A)


IR RECEIVER C.B.A. (VEP06552A)
KEY BOARD SW C.B.A. (VEP06569AC: N
TIMER C.B.A. (VEP07598B: NV-J35EG) (VEP07598A: NV-J35B)
IC6701
D6701
C6703
C6702
C6701
C6704
R6702
R6703
R6701
P6501
SW6514
FF
SW6513
PLAY
SW6512
REW
SW6511
T. SET
SW6528
REC
SW6527
STOP
SW6526
STILL
SW6525
INSERT
TP7517
TP7519
P7502
(NV-J35EG)
R7561
C7513
P7501
QR7525
R7533
C7503
C7504
X7502
QR7501
R7503
IC7504
C7551
R7534
C7501
TIMER CLOCK
R7501
R7502
X7501
C7502
(NV-J35B)
R7562
(NV-J35B)
(NV-J35EG)
R7563
(NV-J35B)
INSERT
D7555
A. DUB
D7554
AUTO TRACK
D7556
R7544
TP7501
TP7518
R7510
R7549
(NV-J35B)
R7531
R7511
IC7502
R7512
R7532
R7546
C7508
IC7501
IC7503
C7507
C7505
C7506
C7512
R7530
R7509
R7508
C7525
R7553
R7554
R7552
R7540
R7550
R7555
R7538
DP7501
C7511
C7510
L7501
R7526
R7535
D7541
R7525
R7524
R7523
D7501
R7505
D7532
R7504
P7505
D7539
D7540
D7513
D7537
D7535
D7508
(NV-J35B)
D7516
D7538
D7510
D7517
(NV-J35B)
D7534
D7530
D7511
A
B
C
D
1
2
3
4
5
6
7
8

TIMER C.B.A. & OPERATION C.B.A.

Transistor	
Q4301	C-13
Q4302	C-13

Transistor & Resistor	
QR7501	C-2
QR7525	C-2

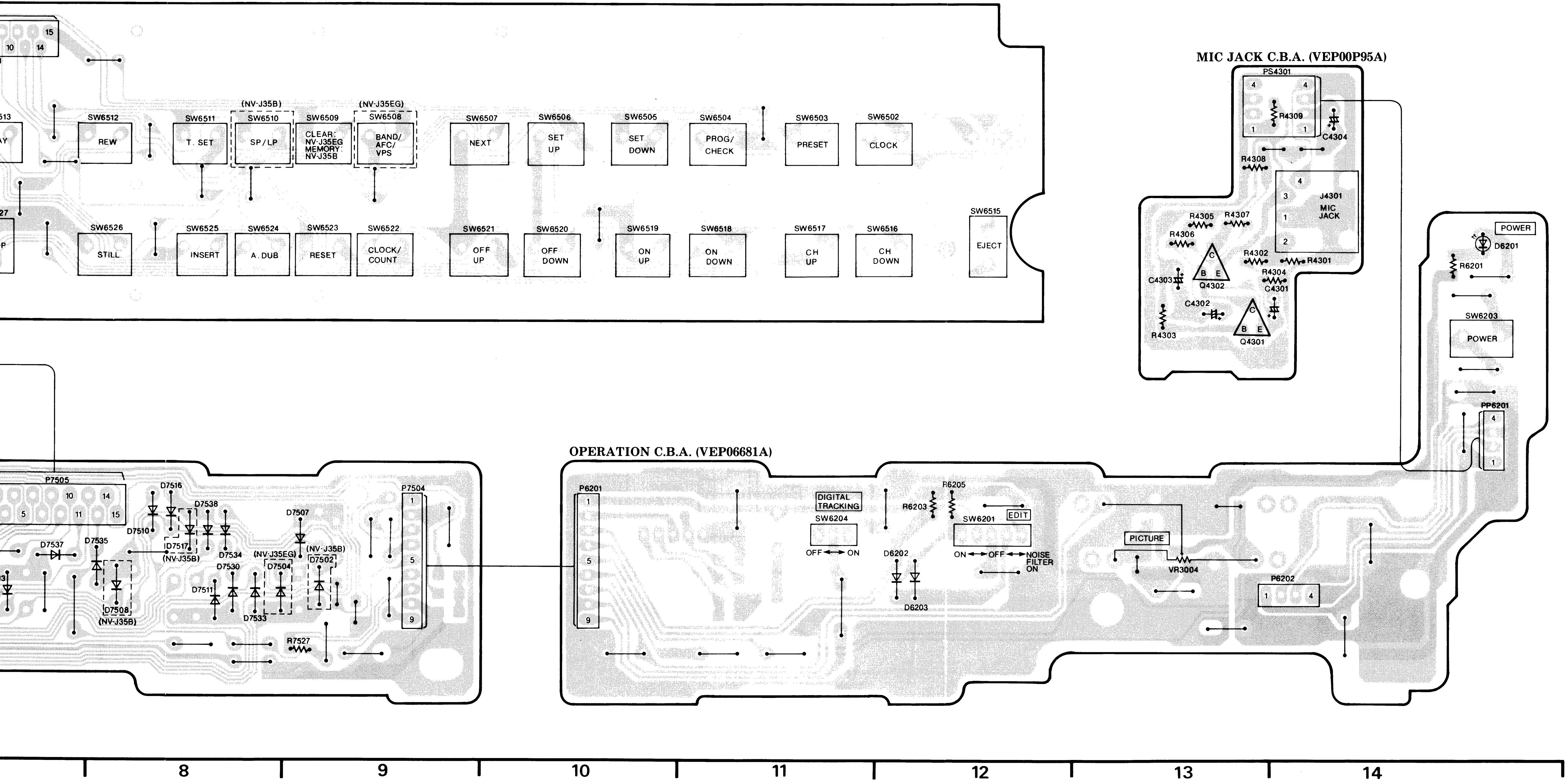
Integrated Circuit	
IC6701	D-5
IC7501	B-2
IC7502	C-5
IC7503	B-2
IC7504	C-3

Test Point	
TP7501	B-5
TP7517	C-1
TP7518	B-5
TP7519	C-1

Adjustment	
C7501	C-1
VR3004	A-13

Connector	
P6201	B-10
P6202	A-14
P6501	D-7
P7501	C-3
P7502	C-2
P7504	B-9
P7505	B-7
PS4301	D-14
PP6201	B-14

ADDRESS INFORMATION



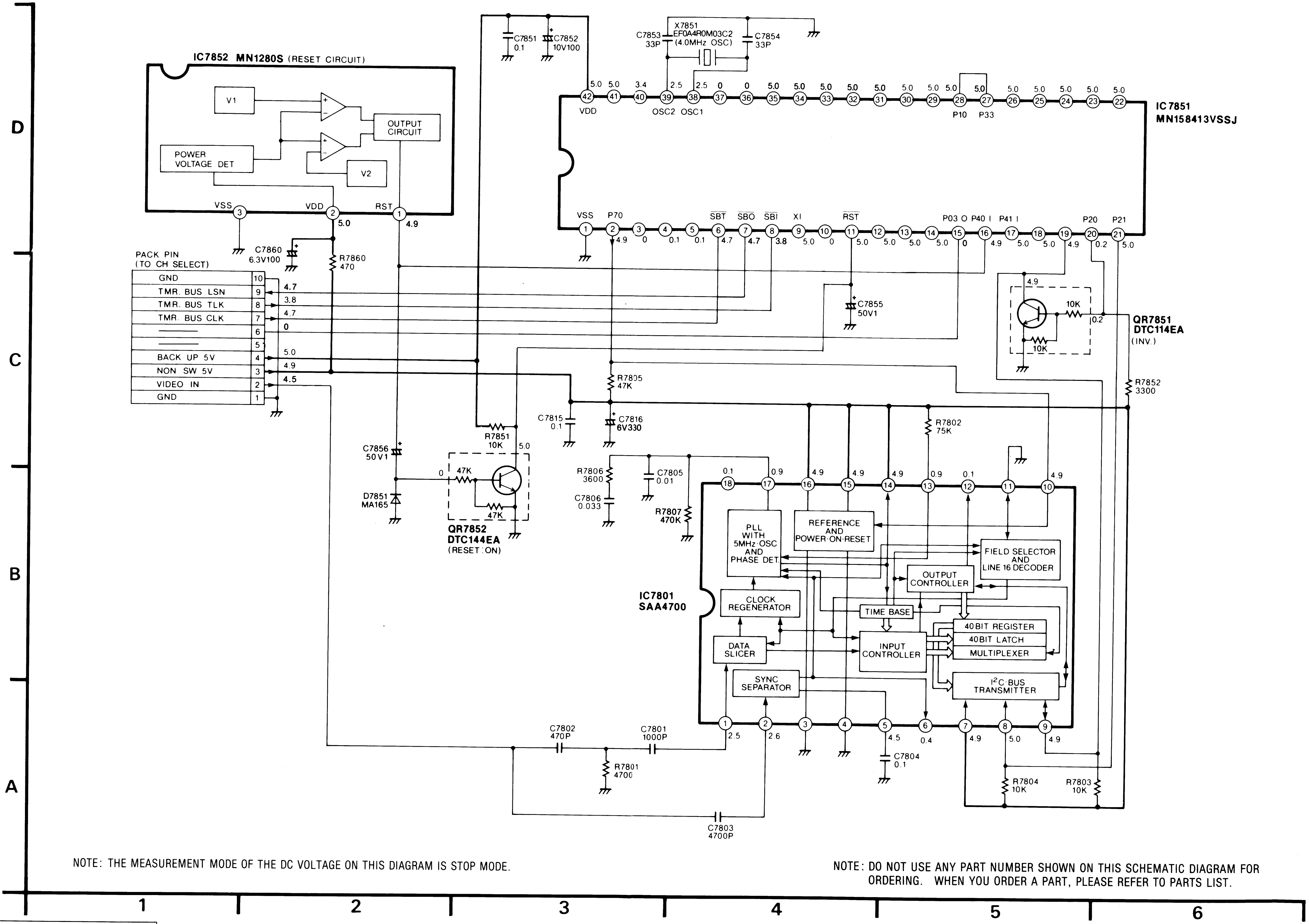
KEY BOARD SW C.B.A. (VEP06569AC: NV-J35EG) (VEP06569D: NV-J35B)

MIC JACK C.B.A. (VEP00P95A)

OPERATION C.B.A. (VEP06681A)

15
10
14
SW6512
REW
SW6511
T. SET
(NV-J35B)
SW6510
SP/LP
SW6509
CLEAR: NV-J35EG
MEMORY: NV-J35B
(NV-J35EG)
SW6508
BAND/ AFC/ VPS
SW6507
NEXT
SW6506
SET UP
SW6505
SET DOWN
SW6504
PROG/ CHECK
SW6503
PRESET
SW6502
CLOCK
SW6526
STILL
SW6525
INSERT
SW6524
A. DUB
SW6523
RESET
SW6522
CLOCK/ COUNT
SW6521
OFF UP
SW6520
OFF DOWN
SW6519
ON UP
SW6518
ON DOWN
SW6517
CH UP
SW6516
CH DOWN
SW6515
EJECT
PS4301
4
1
R4309
C4304
R4308
J4301
MIC JACK
3
2
R4305
R4307
R4306
R4302
R4301
R4304
C4301
C4303
Q4302
C4302
Q4301
R4303
C
B
E
POWER
D6201
R6201
SW6203
POWER
PP6201
P7505
5
11
D7516
D7538
D7510
D7535
D7537
D7517
(NV-J35B)
D7534
D7530
D7507
(NV-J35EG)
D7504
(NV-J35B)
D7502
D7511
D7533
D7508
R7527
P7504
9
P6201
DIGITAL TRACKING
SW6204
OFF ↔ ON
R6203
R6205
D6202
D6203
SW6201
EDIT
ON ↔ OFF ↔ NOISE FILTER ON
PICTURE
VR3004
P6202
8
9
10
11
12
13
14

3-24. VPS PACK SCHEMATIC DIAGRAM (NV-J35EG)

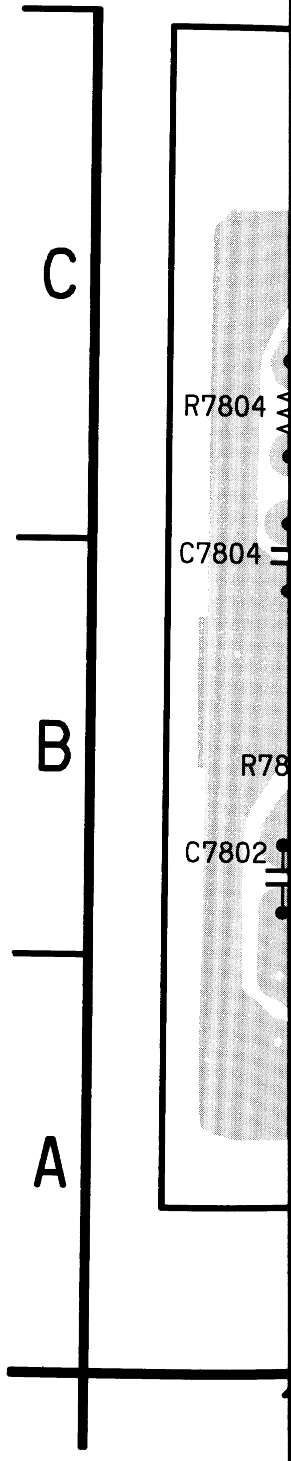

D
C
B
A
1
2
3
4
5
6
IC7852 MN1280S (RESET CIRCUIT)
V1
V2
POWER VOLTAGE DET
OUTPUT CIRCUIT
VSS 3
VDD 2
RST 1
5.0
4.9
C7851 0.1
C7852 10V100
X7851 EF0A4R0M03C2 (4.0MHz OSC)
C7853 33P
C7854 33P
IC7851 MN158413VSSJ
VDD
OSC2
OSC1
P10
P33
VSS
P70
SBT
SBO
SBI
XI
RST
P03 O
P40 I
P41 I
P20
P21
C7860 6.3V100
R7860 470
PACK PIN (TO CH SELECT)
GND 10
TMR. BUS LSN 9
TMR. BUS TLK 8
TMR. BUS CLK 7
6
5
BACK UP 5V 4
NON SW 5V 3
VIDEO IN 2
GND 1
C7855 50V1
QR7851 DTC114EA (INV.)
10K
R7852 3300
R7805 47K
C7815 0.1
C7816 6V330
R7851 10K
C7856 50V1
D7851 MA165
QR7852 DTC144EA (RESET:ON)
47K
R7802 75K
R7806 3600
C7805 0.01
C7806 0.033
R7807 470K
IC7801 SAA4700
PLL WITH 5MHz OSC AND PHASE DET
REFERENCE AND POWER-ON-RESET
FIELD SELECTOR AND LINE 16 DECODER
OUTPUT CONTROLLER
CLOCK REGENERATOR
TIME BASE
40BIT REGISTER
40BIT LATCH
MULTIPLEXER
DATA SLICER
INPUT CONTROLLER
SYNC SEPARATOR
I²C-BUS TRANSMITTER
C7802 470P
C7801 1000P
R7801 4700
C7803 4700P
C7804 0.1
R7804 10K
R7803 10K

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

Back Page:
TIMER & OPERATION Section

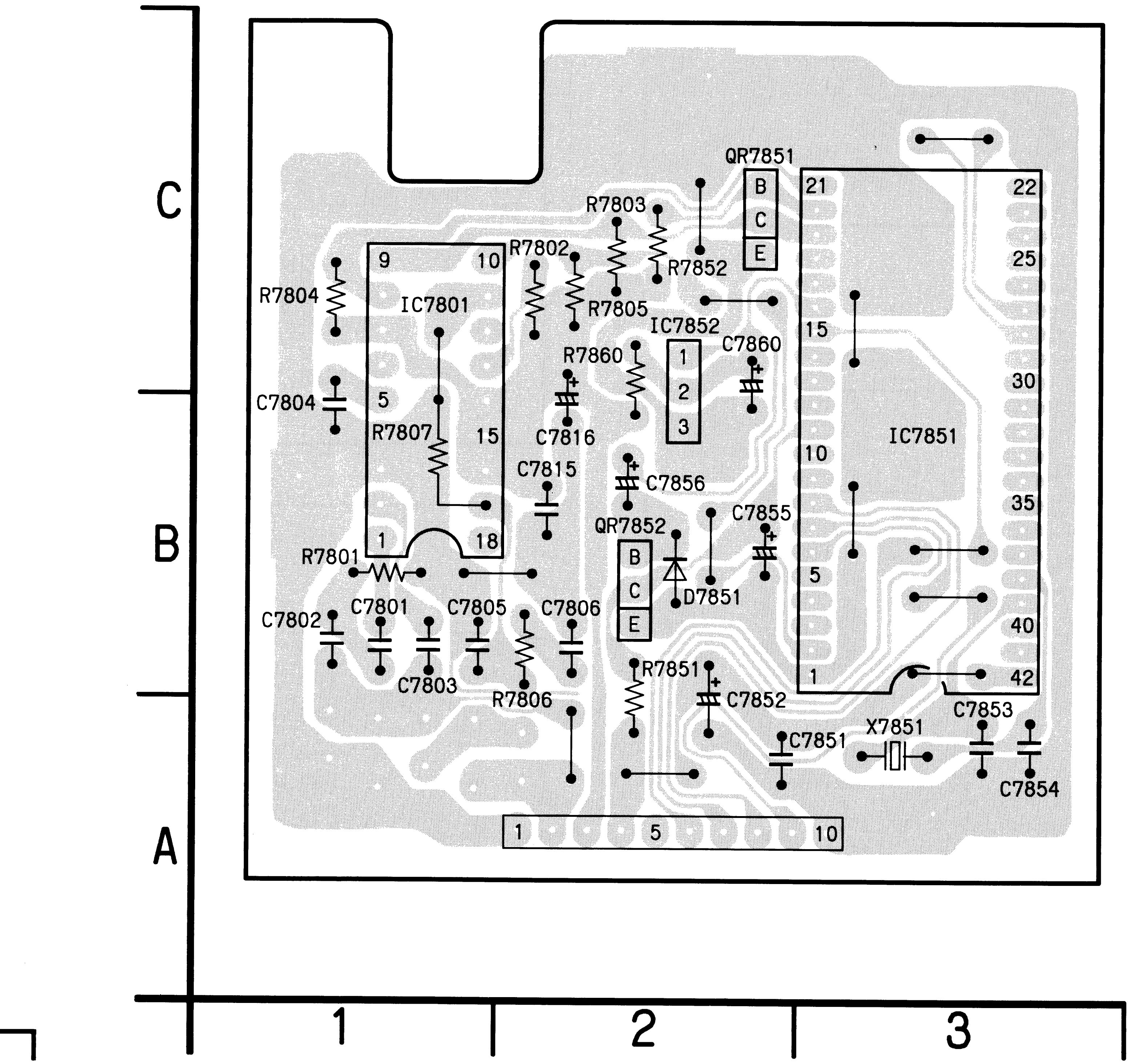
3-25. VPS PA


C
B
A
R7804
C7804
R78
C7802

3-25. VPS PACK C.B.A. (VEP07538D: NV-J35EG)

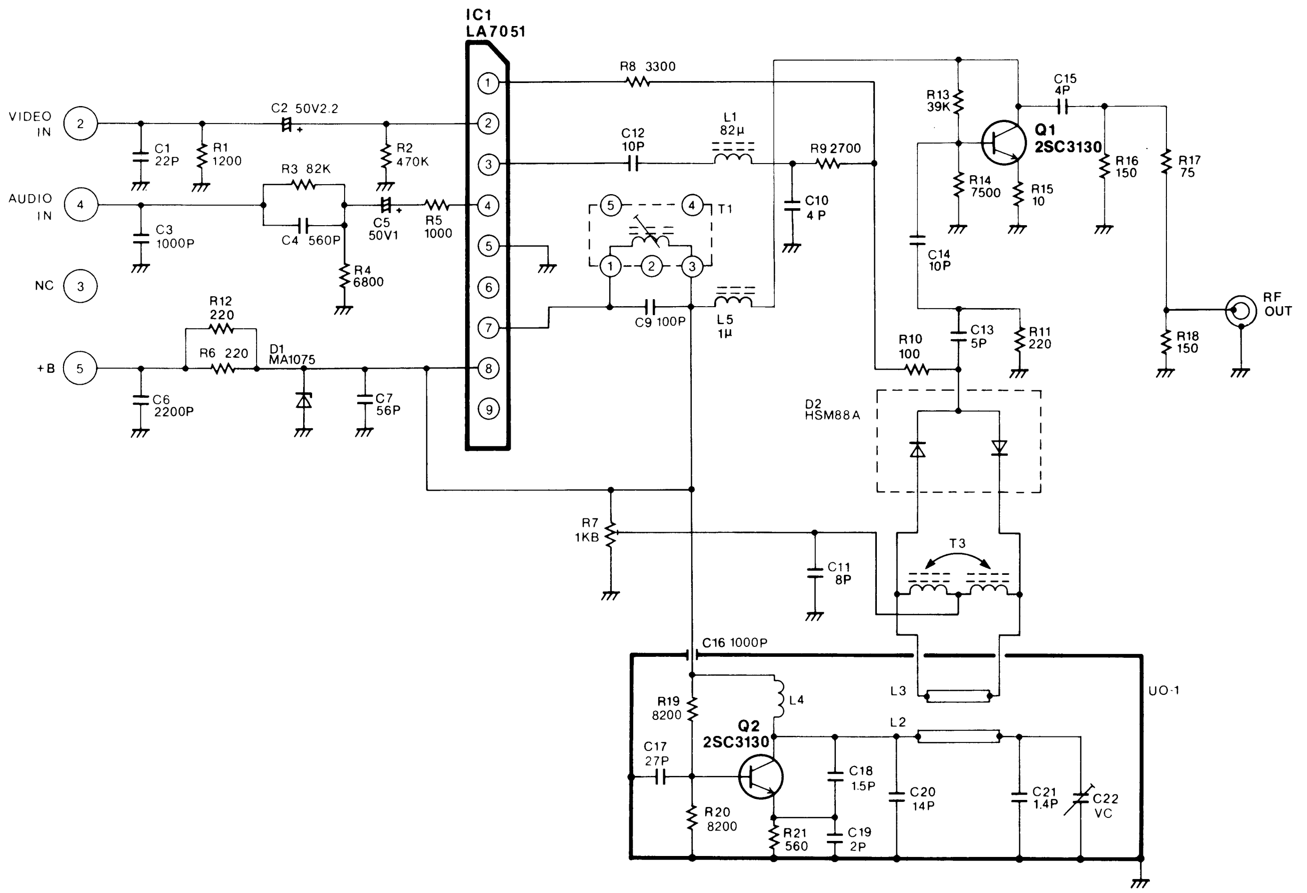
VPS PACK C.B.A.	
Transistor & Resistor	
QR7851 QR7852	C-2 B-2
Interated Circuit	
IC7801 IC7851 IC7852	C-1 B-3 C-2

ADDRESS INFORMATION



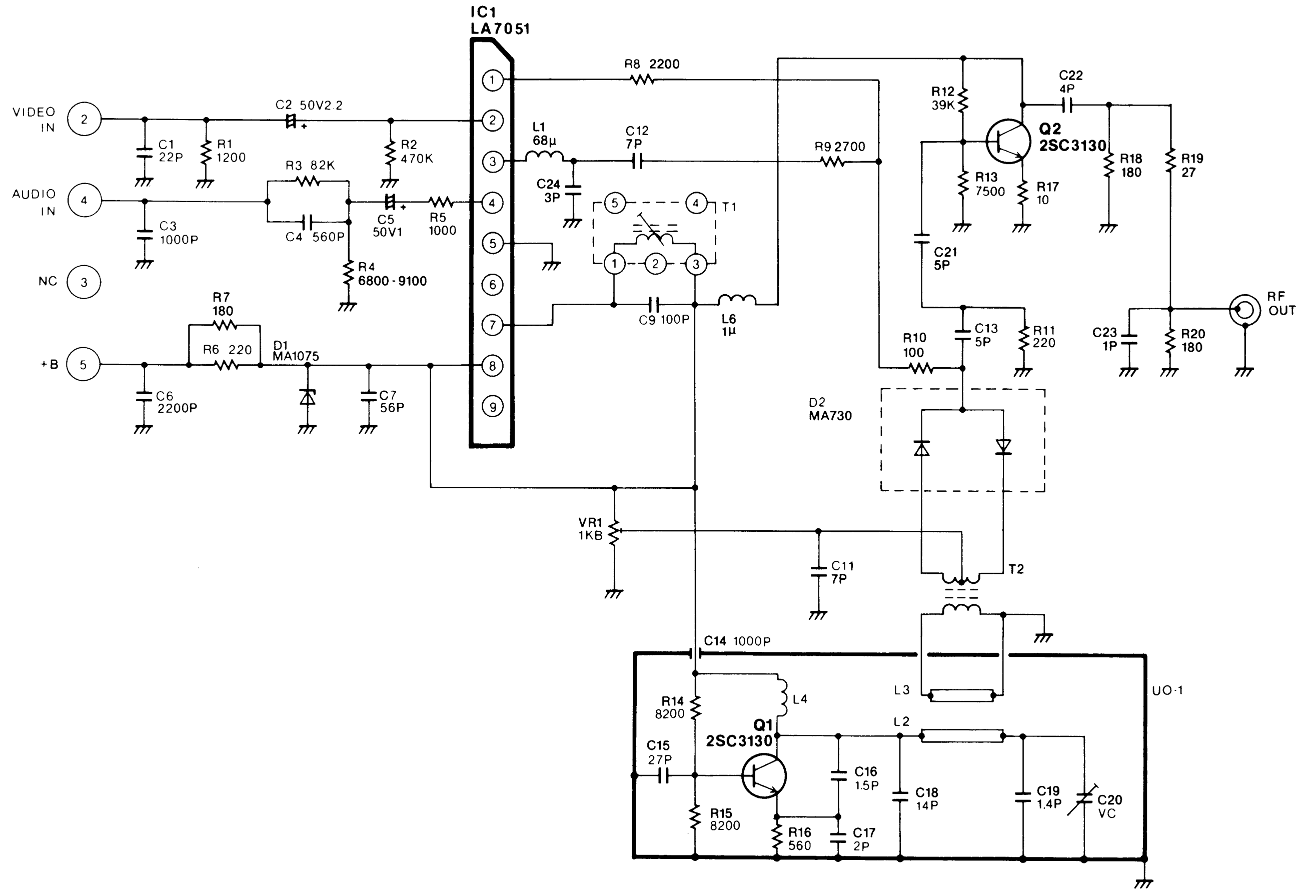
C
B
A
1
2
3
QR7851
B
C
E
R7803
R7802
R7852
R7805
R7804
IC7801
9
10
5
15
1
18
IC7852
1
2
3
R7860
C7860
C7804
R7807
C7816
C7815
C7856
C7855
QR7852
D7851
R7801
C7802
C7801
C7805
C7806
C7803
R7806
R7851
C7852
C7851
X7851
C7853
C7854
IC7851
21
22
25
15
30
10
35
5
40
1
42
1
5
10

3-26. RF CONVERTER SCHEMATIC DIAGRAM (ENC17976: NV-J35EG)



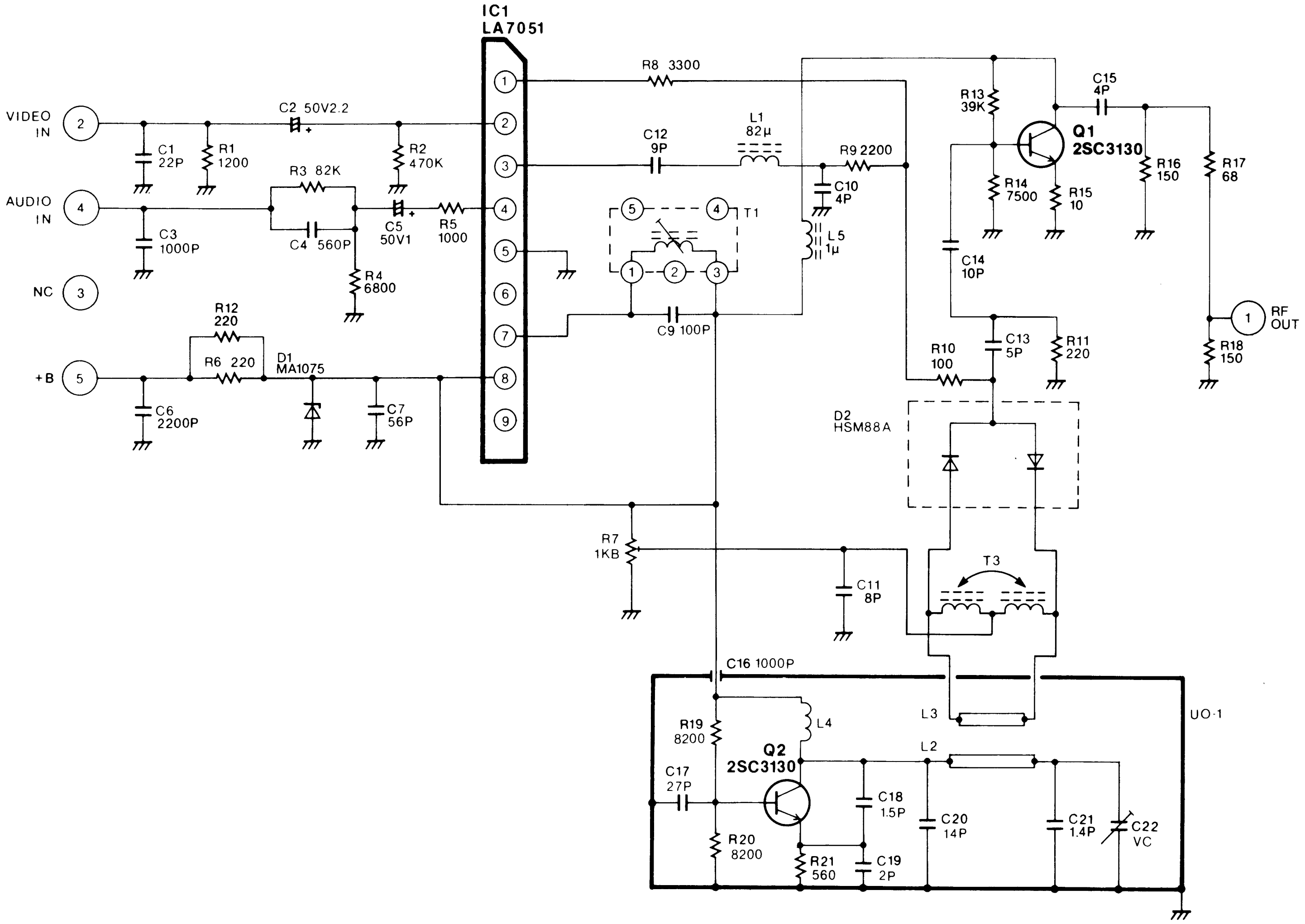
IC1
LA7051
VIDEO IN 2
AUDIO IN 4
NC 3
+B 5
C1 22P
R1 1200
C2 50V2.2
R2 470K
C3 1000P
R3 82K
C4 560P
C5 50V1
R5 1000
R4 6800
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 10P
L1 82μ
R9 2700
C10 4P
T1
C9 100P
L5 1μ
R13 39K
C15 4P
Q1 2SC3130
R14 7500
R15 10
R16 150
R17 75
C14 10P
R10 100
C13 5P
R11 220
R18 150
RF OUT
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
UO-1
L3
L4
L2
R19 8200
Q2 2SC3130
C17 27P
C18 1.5P
C20 14P
C21 1.4P
C22 VC
R20 8200
R21 560
C19 2P

3-27. RF CONVERTER SCHEMATIC DIAGRAM (VEQ1043: NV-J35EG)

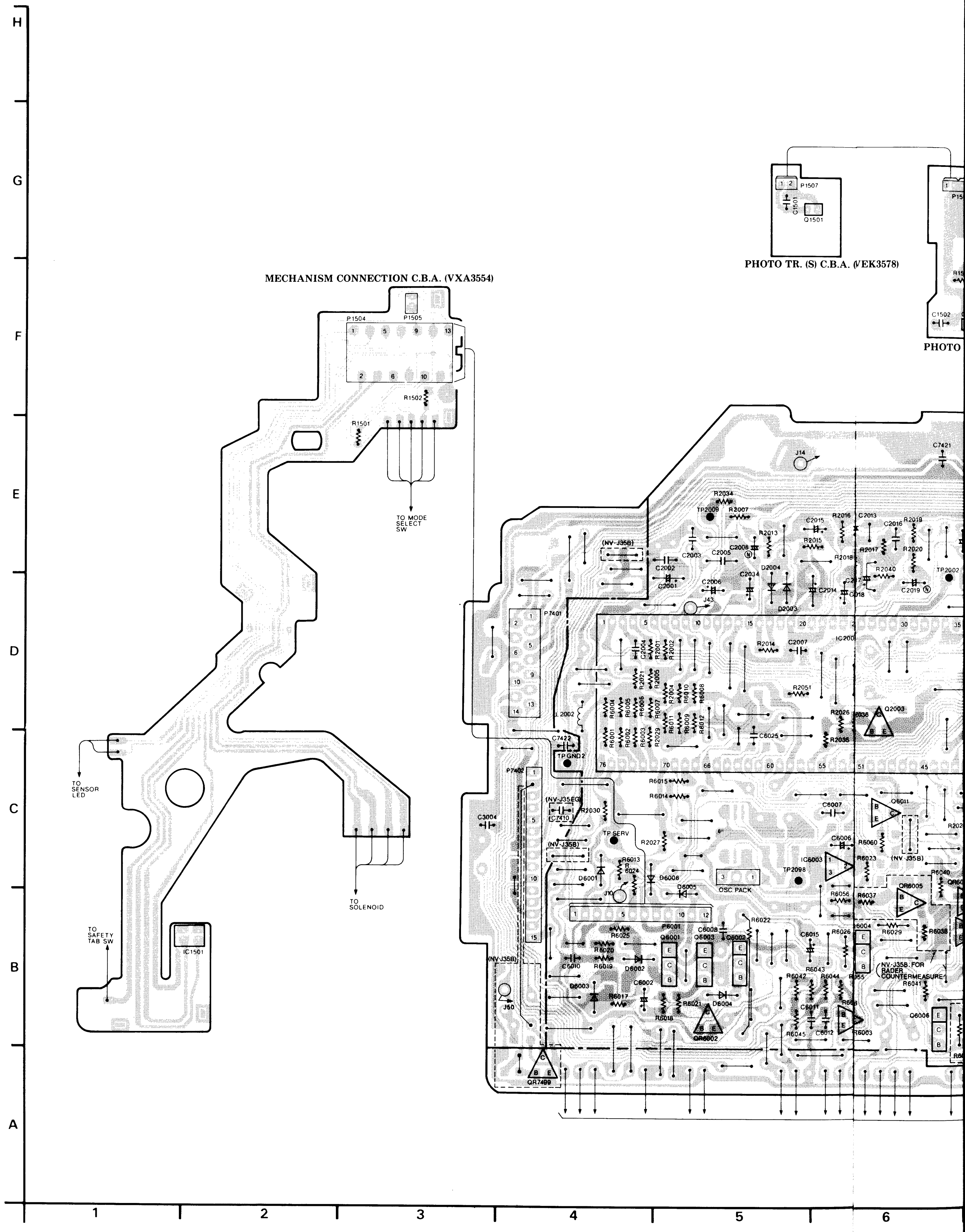


IC1
LA7051
VIDEO IN 2
AUDIO IN 4
NC 3
+B 5
C1 22P
R1 1200
C2 50V2.2
R2 470K
C3 1000P
R3 82K
C4 560P
C5 50V1
R5 1000
R4 6800·9100
R7 180
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 2200
L1 68μ
C12 7P
C24 3P
R9 2700
T1
C9 100P
L6 1μ
R12 39K
C22 4P
Q2 2SC3130
R13 7500
R17 10
R18 180
R19 27
C21 5P
R10 100
C13 5P
R11 220
C23 1P
R20 180
RF OUT
D2 MA730
VR1 1KB
C11 7P
T2
C14 1000P
UO-1
L3
L4
L2
R14 8200
Q1 2SC3130
C15 27P
C16 1.5P
C18 14P
C19 1.4P
C20 VC
R15 8200
R16 560
C17 2P

3-28. RF CONVERTER SCHEMATIC DIAGRAM (ENC17972A: NV-J35B)


IC1
LA7051
VIDEO IN ②
AUDIO IN ④
NC ③
+B ⑤
C1 22P
R1 1200
C2 50V2.2
R2 470K
R3 82K
C3 1000P
C4 560P
C5 50V1
R5 1000
R4 6800
R12 220
R6 220
D1 MA1075
C6 2200P
C7 56P
R8 3300
C12 9P
L1 82μ
R9 2200
C10 4P
L5 1μ
T1
C9 100P
R13 39K
Q1 2SC3130
R14 7500
R15 10
C15 4P
R16 150
R17 68
C14 10P
C13 5P
R10 100
R11 220
R18 150
RF OUT ①
D2 HSM88A
R7 1KB
C11 8P
T3
C16 1000P
R19 8200
L4
Q2 2SC3130
C17 27P
R20 8200
R21 560
C18 1.5P
C19 2P
L3
L2
C20 14P
C21 1.4P
C22 VC
UO-1

3-29. MAIN C.B.A. (VEP03764AB: NV-J35EG) (VEP03764AA: NV-J35B)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
MECHANISM CONNECTION C.B.A. (VXA3554)
PHOTO TR. (S) C.B.A. (VEK3578)
PHOTO
P1504
P1505
P1507
Q1501
C1501
C1502
R1501
R1502
IC1501
TO MODE SELECT SW
TO SENSOR LED
TO SOLENOID
TO SAFETY TAB SW
(NV-J35B)
(NV-J35EG)
IC2001
IC6003
Q2003
QR6005
QR6002
QR7499
OSC PACK
TP2009
TP2002
TP2098
TP SERV
TP GND2
J14
J43
J10
J50
C7421
C7422
C3004
P7401
P7402
NV-J35B: FOR RADER COUNTERMEASURE

4AA: NV-J35B)

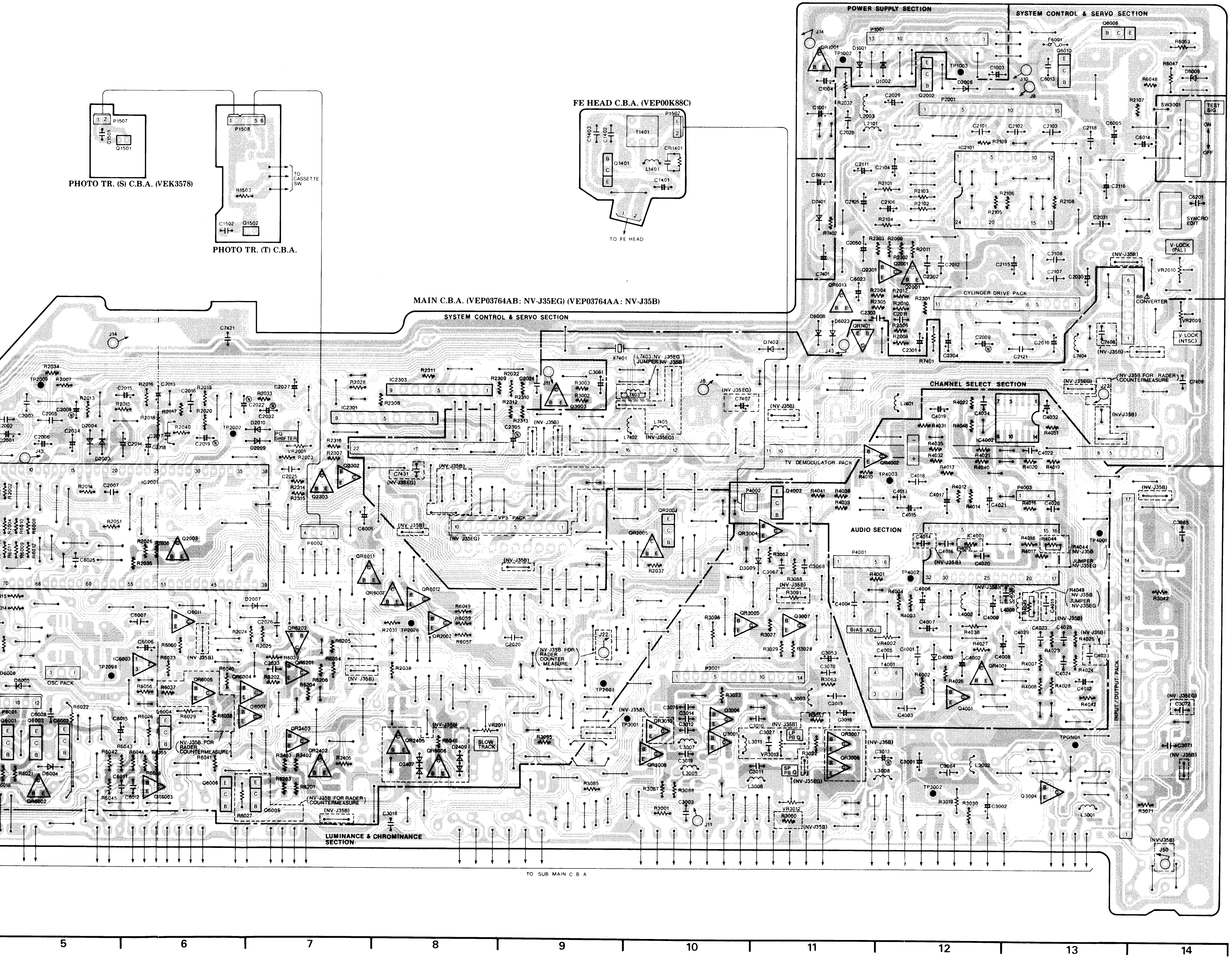


PHOTO TR. (S) C.B.A. (VEK3578)
PHOTO TR. (T) C.B.A.
FE HEAD C.B.A. (VEP00K88C)
TO FE HEAD
TO CASSETTE SW
MAIN C.B.A. (VEP03764AB: NV-J35EG) (VEP03764AA: NV-J35B)
POWER SUPPLY SECTION
SYSTEM CONTROL & SERVO SECTION
CYLINDER DRIVE PACK
RF CONVERTER
V-LOCK (PAL)
V-LOCK (NTSC)
SYNCRO EDIT
TEST SIG
CHANNEL SELECT SECTION
TV DEMODULATOR PACK
AUDIO SECTION
BIAS ADJ.
VPS PACK
OSC PACK
SLOW TRACK
PG SHIFTER
INPUT/OUTPUT PACK
LUMINANCE & CHROMINANCE SECTION
TO SUB MAIN C.B.A
5
6
7
8
9
10
11
12
13
14

MAIN C.B.A. ADDRESS INFORMATION

SYSTEM CONTROL & SERVO Section	
Transistor	
Q1401	G-10
Q1501	G-6
Q1502	F-7
Q2001	F-12
Q2002	G-12
Q2003	D-6
Q2301	F-12
Q2302	D-7
Q2303	D-7
Q6001	B-5
Q6002	B-5
Q6003	B-5
Q6004	B-6
Q6005	B-7
Q6006	B-6
Q6007	B-7
Q6008	H-13
Q6010	H-13
Q6011	C-6
Transistor & Resistor	
QR2002	C-8
QR2004	D-10
QR2005	D-10
QR2402	B-7
QR2403	B-7
QR2405	B-8
QR6002	B-5
QR6003	B-6
QR6004	B-7
QR6005	C-6
QR6006	B-8
QR6007	C-8
QR6011	D-7
QR6012	C-8
QR6013	F-11
QR6201	C-7
QR6202	C-7
Integrated Circuit	
IC1501	B-2
IC2001	D-6
IC2101	G-12
IC2301	E-8
IC2302	E-8
IC6003	C-6
Test Point	
TP2001	C-9
TP2002	E-6
TP2009	E-5
TP2026	C-8
TP2098	C-5
TPSERV	C-4
TPGND2	C-4
Adjustment	
VR2001	D-7
VR2009	E-14
VR2010	F-14
VR2011	B-8
Connector	
P1502	G-10
P1504	F-3
P1505	F-3
P1507	G-5
P1508	G-6
P2001	G-12
P6001	B-5
P6002	D-7

ADDRESS INFORMATION

CHANNEL SELECT Section	
Transistor & Resistor	
QR7401	E-11
Connector	
P7401	D-4
P7402	C-4

ADDRESS INFORMATION

AUDIO Section	
Transistor	
Q4001	B-12
Q4002	D-11
Transistor & Resistor	
QR4001	C-12
QR4002	D-12
Integrated Circuit	
IC4001	D-12
IC4002	E-13
Test Point	
TP4001	D-13
TP4002	C-12
TP4003	D-12
Adjustment	
VR4002	C-12
Connector	
P4001	D-11
P4002	D-11
P4003	D-13

ADDRESS INFORMATION

LUMINANCE & CHROMINANCE Section	
Transistor	
Q3001	B-10
Q3003	E-9
Q3004	B-13
Q3006	B-10
Q3007	C-11
Transistor & Resistor	
QR3004	D-11
QR3005	C-10
QR3006	B-11
QR3007	B-11
QR3008	B-10
QR3010	B-10
Test Point	
TP3001	B-10
TP3002	B-12
Adjustment	
VR3012	B-11
VR3013	B-11
Connector	
P3001	C-10

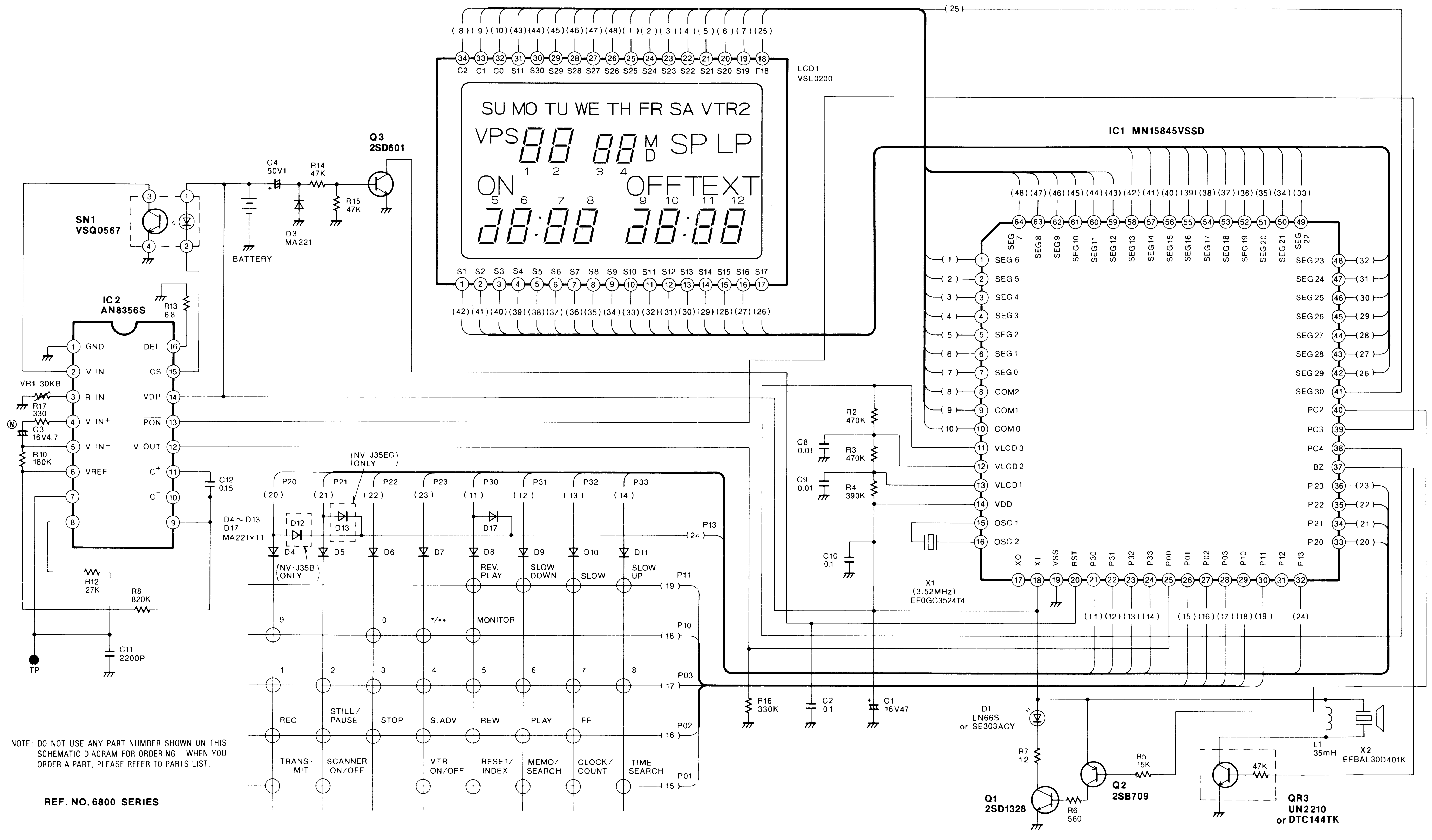
ADDRESS INFORMATION

POWER Section	
Transistor & Resistor	
QR1001	H-11
Test Point	
TP1002	H-11
TP1003	G-12
TPGND1	B-13
Connector	
P1001	H-12

ADDRESS INFORMATION

3-30. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) SCHEMATIC DIAGRAM

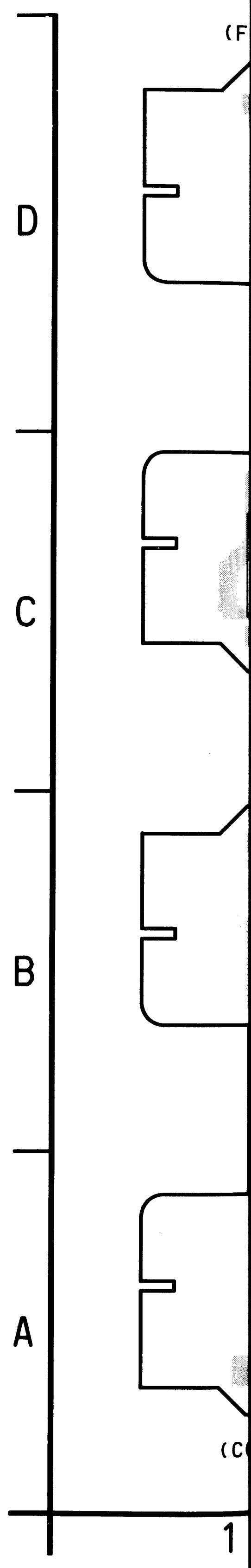
— UNIT NO.: VEQ1120 (NV-J35EG), VEQ1119 (NV-J35B) —


LCD1
VSL0200
C2 C1 C0 S11 S30 S29 S28 S27 S26 S25 S24 S23 S22 S21 S20 S19 F18
S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17
SU MO TU WE TH FR SA VTR2
VPS 88 88 M D SP LP
ON OFF TEXT
1 2 3 4 5 6 7 8 9 10 11 12
IC1 MN15845VSSD
SEG 6 SEG 5 SEG 4 SEG 3 SEG 2 SEG 1 SEG 0 COM2 COM1 COM0 VLCD 3 VLCD 2 VLCD 1 VDD OSC 1 OSC 2
SEG 7 SEG 8 SEG 9 SEG 10 SEG 11 SEG 12 SEG 13 SEG 14 SEG 15 SEG 16 SEG 17 SEG 18 SEG 19 SEG 20 SEG 21 SEG 22
SEG 23 SEG 24 SEG 25 SEG 26 SEG 27 SEG 28 SEG 29 SEG 30 PC2 PC3 PC4 BZ P23 P22 P21 P20
XO XI VSS RST P30 P31 P32 P33 P00 P01 P02 P03 P10 P11 P12 P13
SN1
VSQ0567
Q3
2SD601
C4
50V1
R14
47K
R15
47K
D3
MA221
BATTERY
IC 2
AN8356S
R13
6.8
GND V IN R IN V IN+ V IN− VREF
DEL CS VDP PON V OUT C+ C−
VR1 30KB
R17
330
C3
16V4.7
R10
180K
C12
0.15
R12
27K
R8
820K
C11
2200P
TP
(NV-J35EG ONLY)
D4～D13
D17
MA221×11
(NV-J35B ONLY)
D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D17
P20 P21 P22 P23 P30 P31 P32 P33 P13 P11 P10 P03 P02 P01
REV. PLAY
SLOW DOWN
SLOW
SLOW UP
9 0 */•• MONITOR
1 2 3 4 5 6 7 8
REC
STILL/ PAUSE
STOP
S.ADV
REW
PLAY
FF
TRANS-MIT
SCANNER ON/OFF
VTR ON/OFF
RESET/ INDEX
MEMO/ SEARCH
CLOCK/ COUNT
TIME SEARCH
R2
470K
R3
470K
R4
390K
C8
0.01
C9
0.01
C10
0.1
X1
(3.52MHz)
EF0GC3524T4
R16
330K
C2
0.1
C1
16V47
D1
LN66S
or SE303ACY
R7
1.2
Q1
2SD1328
R6
560
R5
15K
Q2
2SB709
QR3
UN2210
or DTC144TK
47K
L1
35mH
X2
EFBAL30D401K

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

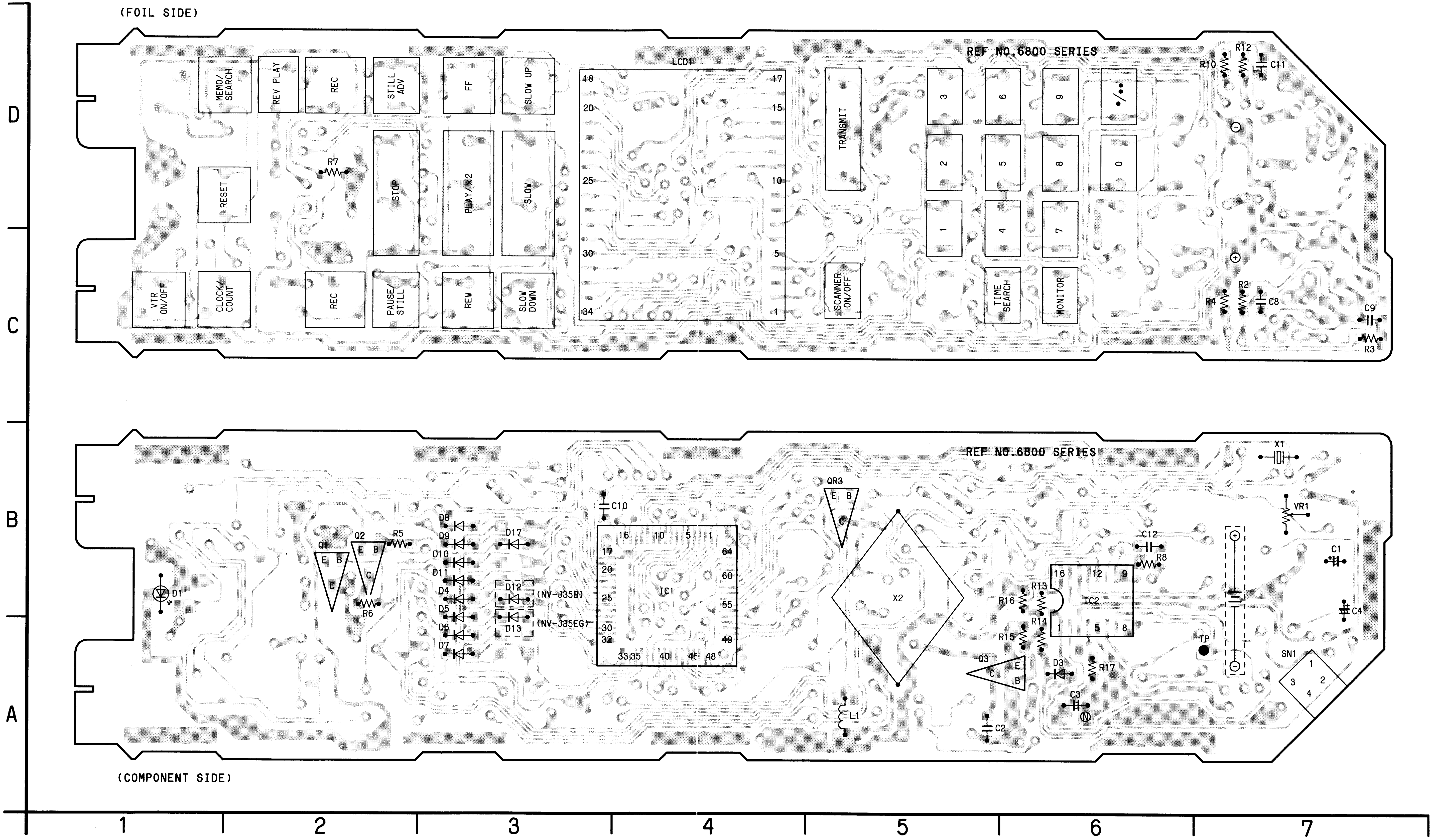
REF. NO. 6800 SERIES

3-31. REMOT

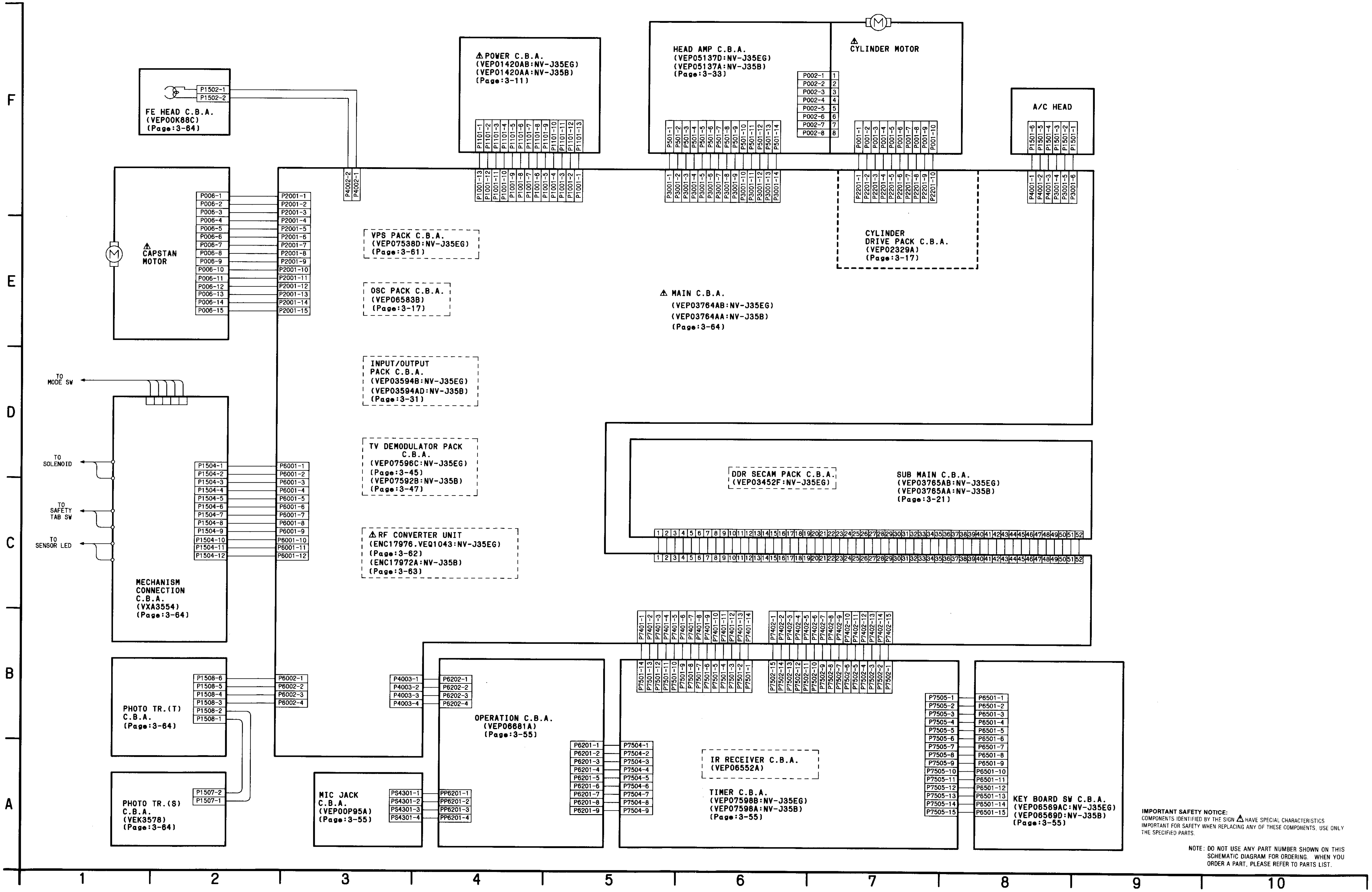


Back Page:
RF CONV. & MAIN C.B.A. Section

3-31. REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) C.B.A. (VEP66125E: NV-J35EG) (VEP66125D: NV-J35B)


(FOIL SIDE)
REF NO.6800 SERIES
MEMO/SEARCH
REV PLAY
REC
STILL ADV
FF
SLOW UP
LCD1
18
17
20
15
25
10
30
5
34
1
R7
RESET
STOP
PLAY/×2
SLOW
VTR ON/OFF
CLOCK/COUNT
REC
PAUSE/STILL
REW
SLOW DOWN
TRANSMIT
SCANNER ON/OFF
3
6
9
·/··
2
5
8
0
1
4
7
TIME SEARCH
MONITOR
R10
R12
C11
R4
R2
C8
C9
R3
(COMPONENT SIDE)
REF NO.6800 SERIES
X1
D1
Q1
Q2
E
B
C
R5
R6
D8
D9
D10
D11
D4
D5
D6
D7
D17
D12
D13
(NV-J35B)
(NV-J35EG)
C10
IC1
16
10
5
1
17
64
20
60
25
55
30
32
49
33 35
40
45
48
QR3
X2
L1
Q3
R16
R13
R14
R15
D3
R17
C3
C2
C12
R8
IC2
16
12
9
1
5
8
VR1
C1
C4
TP
SN1
1
2
3
4
D
C
B
A
1
2
3
4
5
6
7

3-32. INTERCONNECTION SCHEMATIC DIAGRAM


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
FE HEAD C.B.A.
(VEP00K88C)
(Page:3-64)
P1502-1
P1502-2
P4002-2
P4002-1
⚠POWER C.B.A.
(VEP01420AB:NV-J35EG)
(VEP01420AA:NV-J35B)
(Page:3-11)
P1101-1
P1101-2
P1101-3
P1101-4
P1101-5
P1101-6
P1101-7
P1101-8
P1101-9
P1101-10
P1101-11
P1101-12
P1101-13
P1001-13
P1001-12
P1001-11
P1001-10
P1001-9
P1001-8
P1001-7
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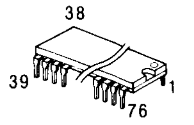
PP6201-4

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

3-33. ICs & TRs INFORMATION



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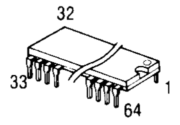

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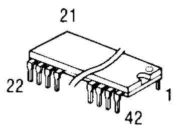

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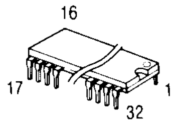

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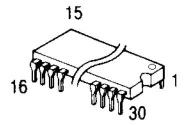

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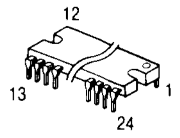

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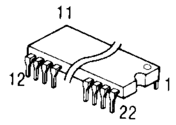

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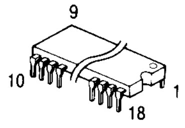

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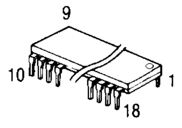

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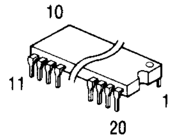

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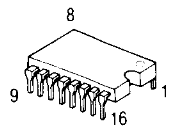

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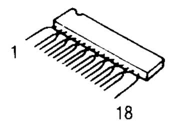

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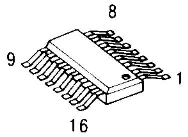

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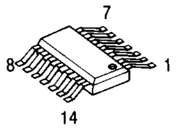

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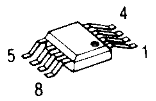

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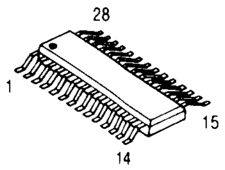

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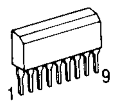

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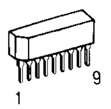

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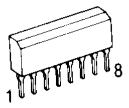

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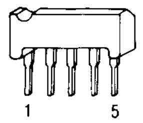

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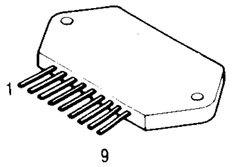

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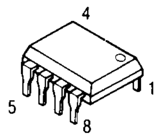

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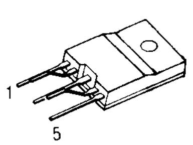

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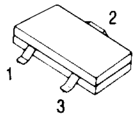

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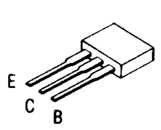

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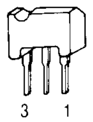

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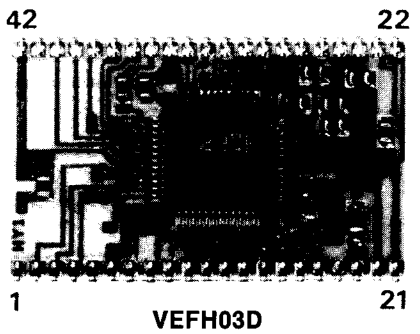

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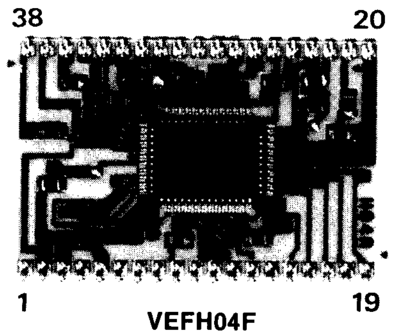

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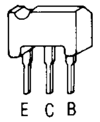

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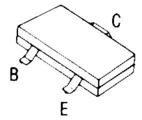

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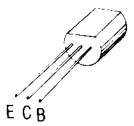

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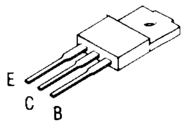

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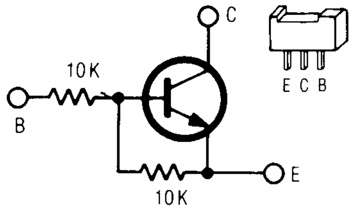
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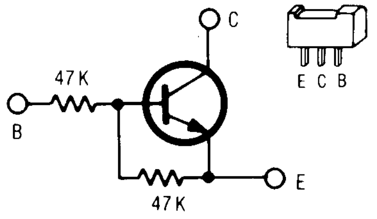
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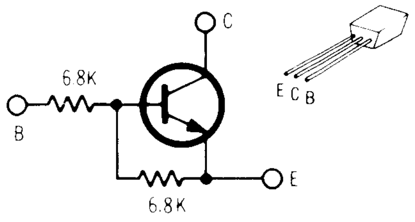
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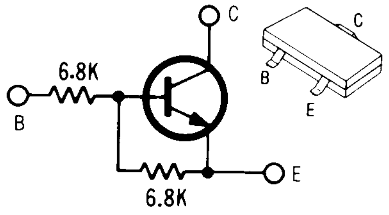
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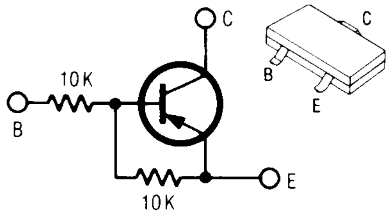
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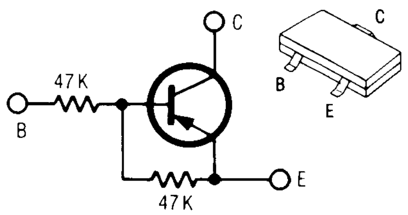
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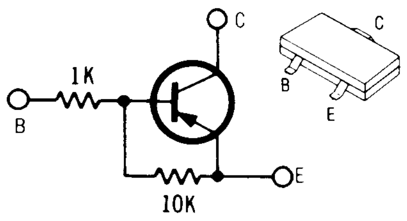
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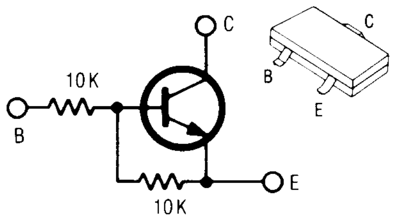
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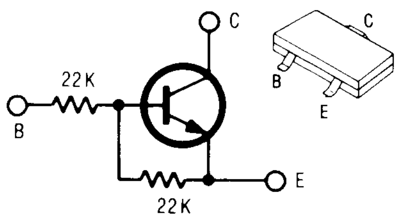
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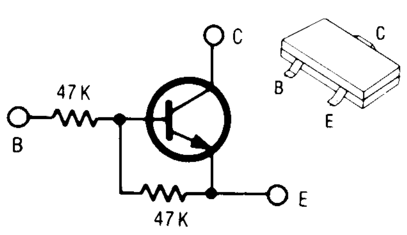
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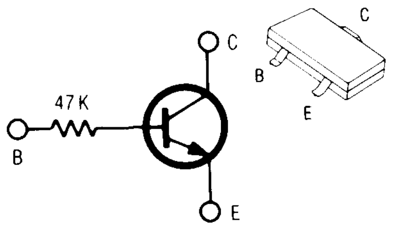

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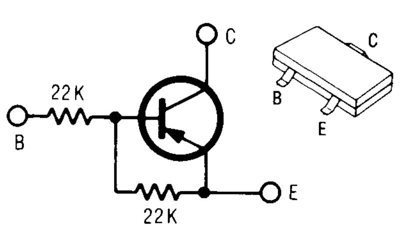
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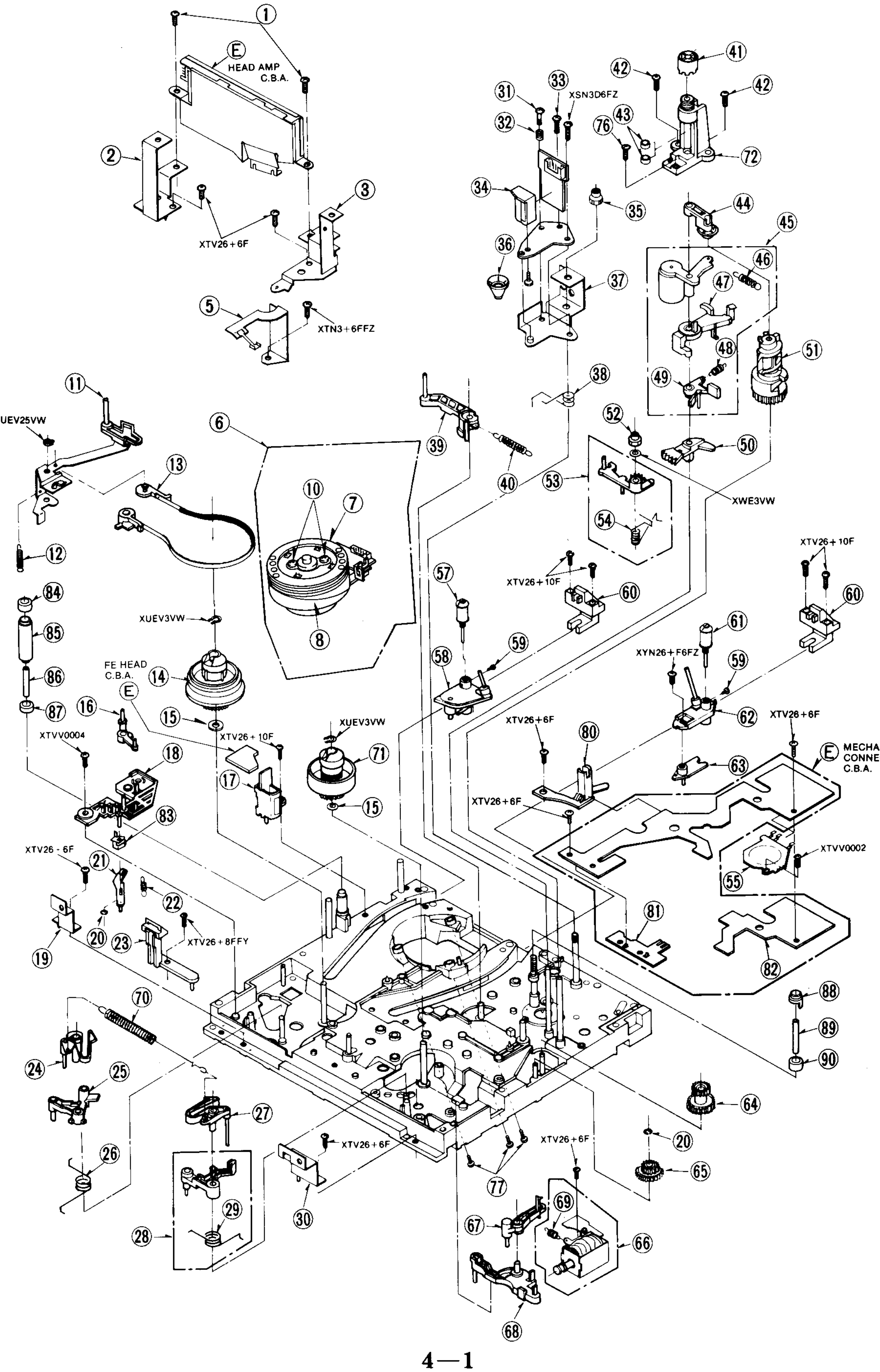
MRN2403

SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW ❶ CHASSIS PARTS SECTION (1)


①
Ⓔ
HEAD AMP C.B.A.
②
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XTV26+6F
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XTN3+6FFZ
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XSN3D6FZ
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XUEV25VW
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(52)
(53)
(50)
XWE3VW
⑩
⑦
(54)
⑫
(84)
XUEV3VW
⑧
(57)
XTV26+10F
(60)
XTV26+10F
(60)
(85)
(86)
FE HEAD C.B.A.
Ⓔ
⑭
(58)
(59)
(61)
XYN26+F6FZ
(59)
(87)
⑯
⑮
XUEV3VW
XTV26+10F
(71)
(62)
XTV26+6F
XTVV0004
⑱
⑰
(80)
XTV26+6F
(63)
Ⓔ
MECHANISM CONNECTION C.B.A.
⑮
(83)
XTV26+6F
XTVV0002
XTV26 - 6F
㉑
㉒
(55)
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XTV26+8FFY
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XTV26+6F
XTV26+6F
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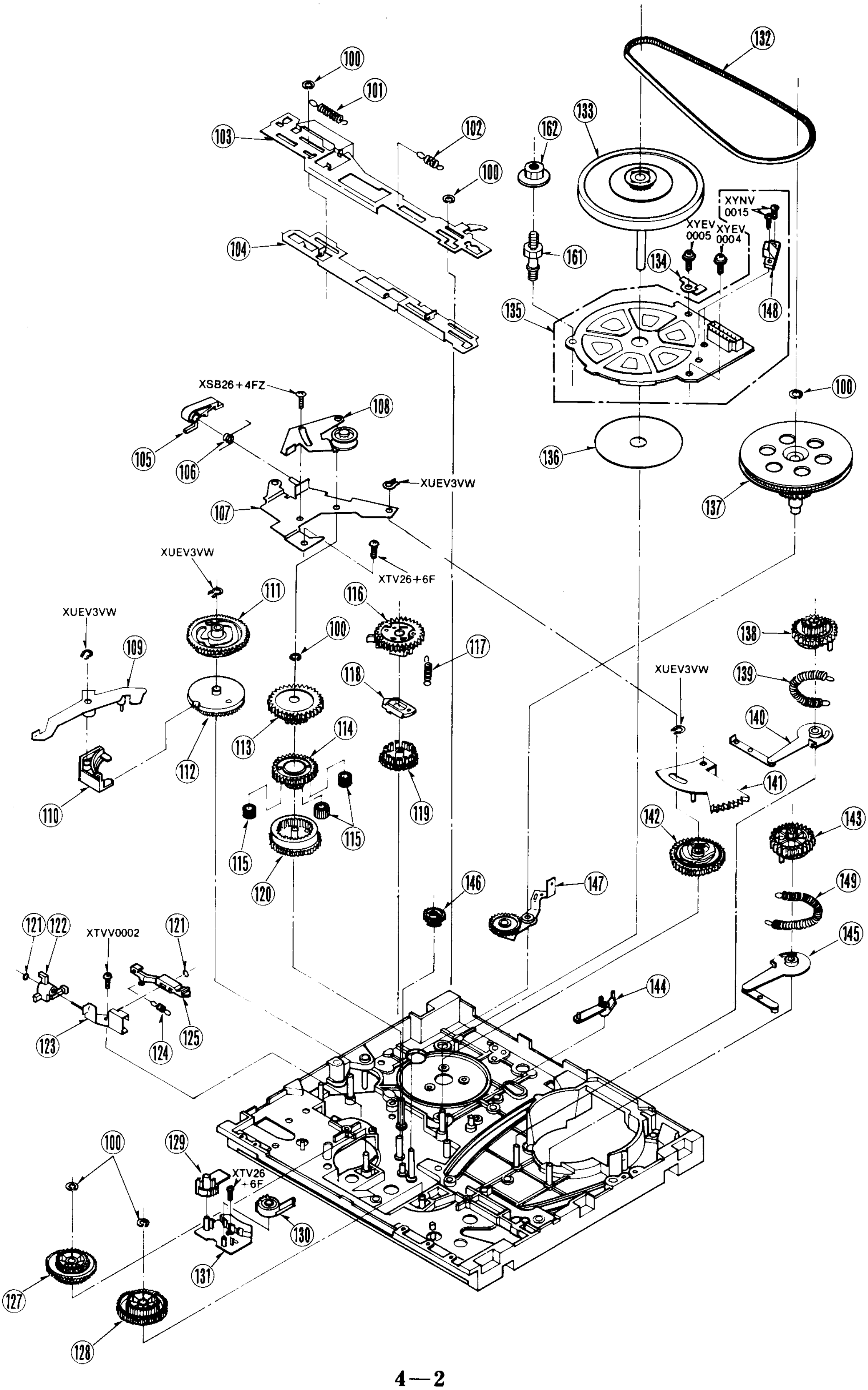
(68)

❷ CHASSIS PARTS SECTION (2)



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148
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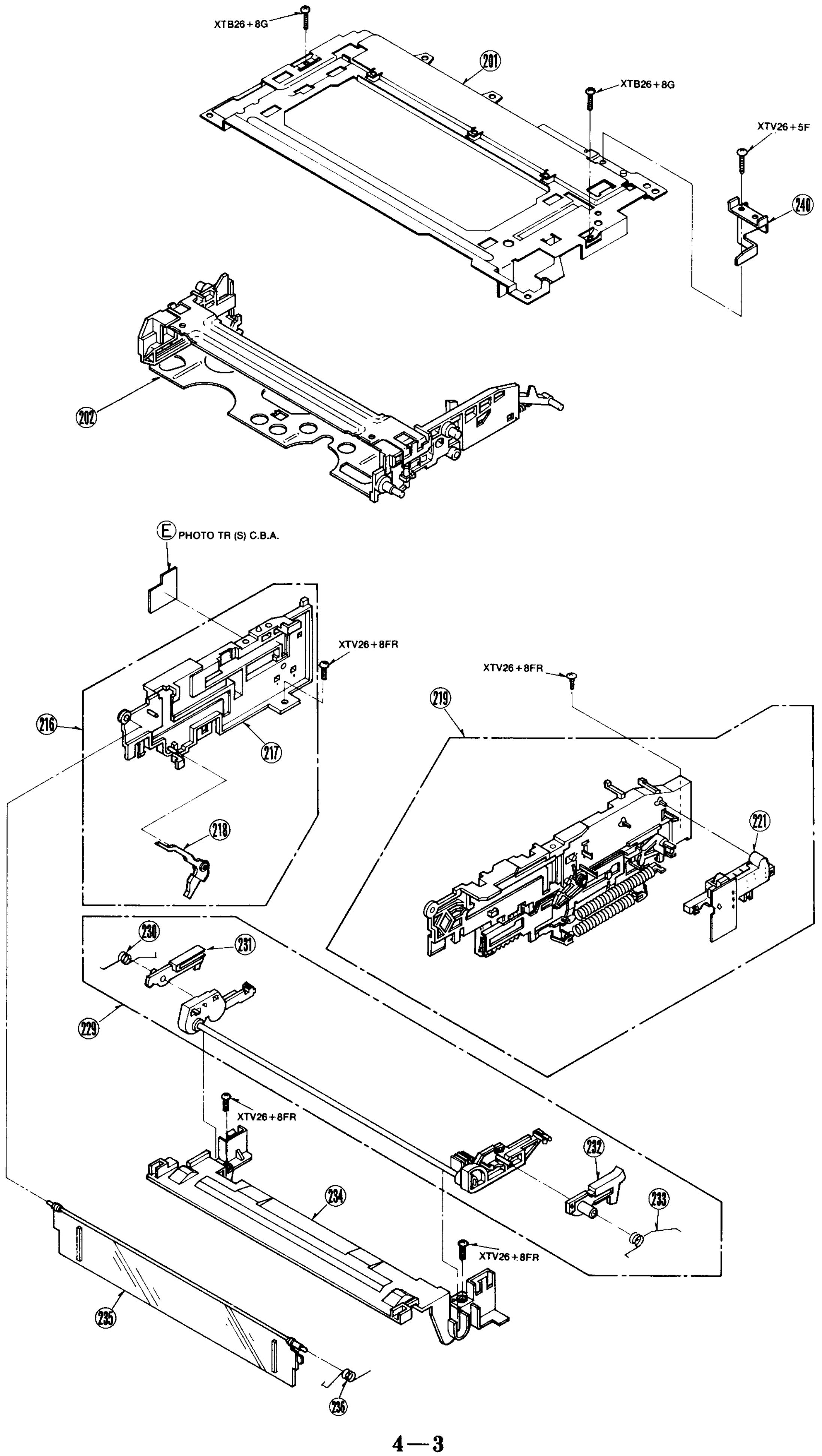
161
162
XYNV 0015
XYEV 0005
XYEV 0004
XSB26+4FZ
XUEV3VW
XTV26+6F
XTVV0002
XTV26 +6F

❸ CASSETTE UP MECHANISM SECTION


XTB26+8G
201
XTB26+8G
XTV26+5F
240
202
Ⓔ PHOTO TR (S) C.B.A.
XTV26+8FR
XTV26+8FR
219
216
217
218
221
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229
XTV26+8FR
232
234
233
XTV26+8FR
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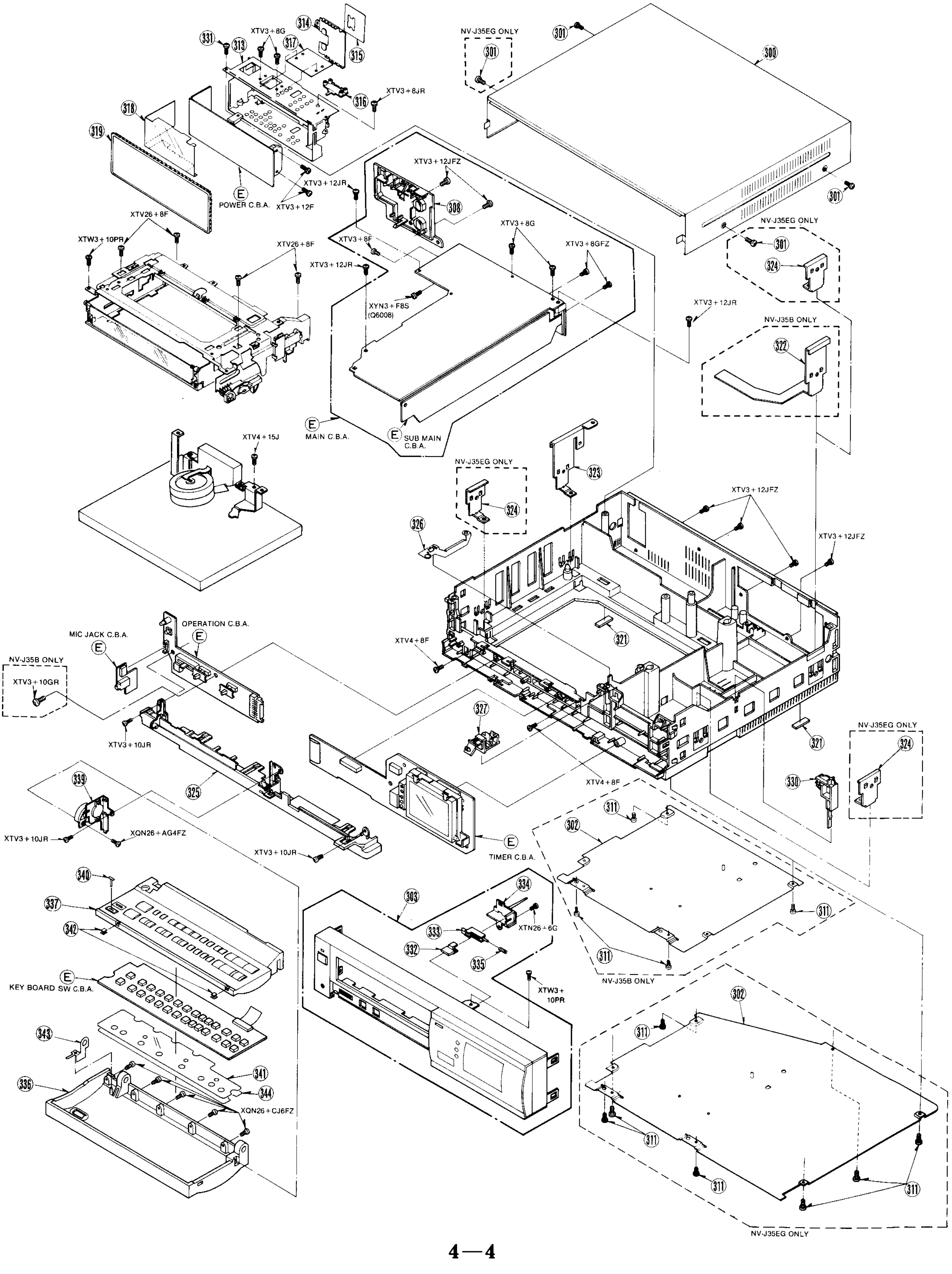
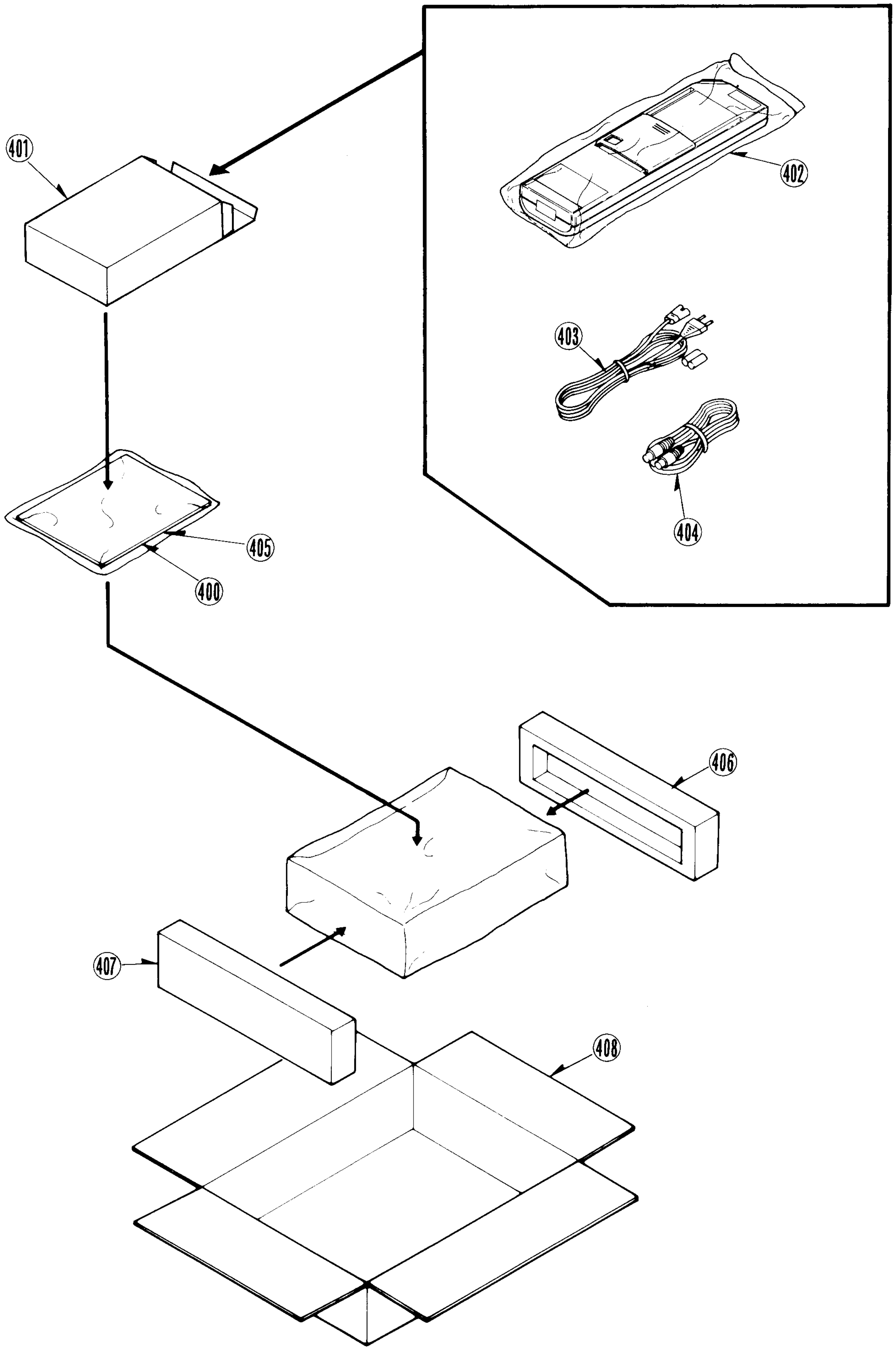
❹ CASING PARTS SECTION



331
XTV3+8G
313
314
317
315
316
XTV3+8JR
NV-J35EG ONLY
301
300
318
319
E
POWER C.B.A.
XTV3+12JR
XTV3+12F
XTV3+12JFZ
308
XTV26+8F
XTW3+10PR
XTV26+8F
XTV3+8F
XTV3+12JR
XTV3+8G
XTV3+8GFZ
XYN3+F8S
(Q6008)
NV-J35EG ONLY
324
XTV3+12JR
NV-J35B ONLY
322
E
MAIN C.B.A.
E
SUB MAIN
C.B.A.
XTV4+15J
323
NV-J35EG ONLY
324
326
XTV3+12JFZ
XTV3+12JFZ
OPERATION C.B.A.
MIC JACK C.B.A.
E
E
321
XTV4+8F
NV-J35B ONLY
XTV3+10GR
XTV3+10JR
327
321
NV-J35EG ONLY
324
325
XTV4+8F
330
339
311
302
XTV3+10JR
XQN26+AG4FZ
XTV3+10JR
E
TIMER C.B.A.
340
334
337
303
311
342
XTN26+6G
333
332
335
311
NV-J35B ONLY
E
KEY BOARD SW C.B.A.
XTW3+
10PR
302
343
311
341
336
344
XQN26+CJ6FZ
311
311
311
NV-J35EG ONLY

❺ PACKING PARTS SECTION


401
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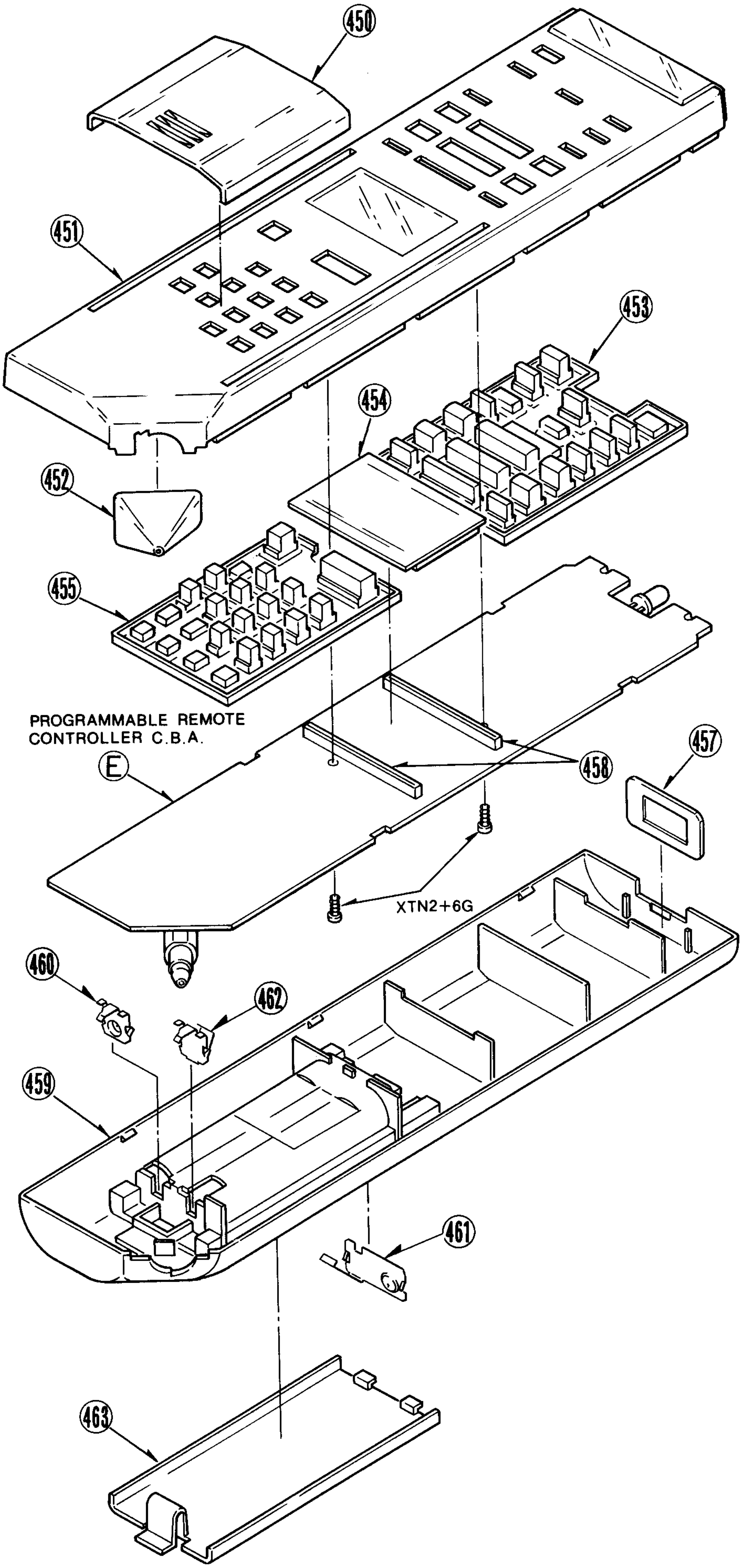
408

❻ REMOTE CONTROLLER (BUILD IN DIGITAL SCANNER) UNIT



450
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PROGRAMMABLE REMOTE CONTROLLER C.B.A.
Ⓔ
458
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XTN2+6G
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4-2. MECHANICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
**********		NV-J35EG/B			
1(1)		VHD0141	HEAD AMP SET SCREW	2	
2(1)		VMA6897	HEAD AMP MOUNT ANGLE (L)	1	
3(1)		VMA6898	HEAD AMP MOUNT ANGLE (R)	1	
5(1)		VXS0082	EARTH PLATE UNIT	1	
6(1)		VEG0759	CYLINDER UNIT	1	<!>
7(1)		VEH0417	UPPER CYLINDER UNIT	1	<!>
8(1)		VJR0082	RT TERMINAL	1	
10(1)		VHD0425	UPPER CYLINDER SET SCREW	2	
11(1)		VXL1495	TENSION ARM (1) UNIT	1	
12(1)		VMB1563	TENSION SPRING	1	
13(1)		VXZ0267	TENSION BAND UNIT	1	
14(1)		VXR0185	SUPPLY REEL TABLE UNIT	1	
15(1)		VMX1171	REEL WASHER (0.5mm)	2	
15(1)		VMX1239	REEL WASHER (0.3mm)	2	
15(1)		VMX1238	REEL WASHER (0.2mm)	2	
16(1)		VXL1496	TENSION RELEASE ARM(A)UNIT	1	
17(1)		VBS0038	FE HEAD	1	
18(1)		VXA2705	TENSION ARM BASE (1) UNIT	1	
19(1)		VMA6895	MOUNT ANGLE (L)	1	
20(1)		VMX1079	CUT WASHER	2	
21(1)		VXL1497	TENSION RELEASE ARM(B)UNIT	1	
22(1)		VMB1582	TENSION RELEASE SPRING	1	
23(1)		VES0489	SAFETY SW	1	
24(1)		VXZ0259	SUPPLY MAIN BRAKE UNIT	1	
25(1)		VXZ0274	SUPPLY SOFT BRAKE(1)UNIT	1	
26(1)		VMB1564	SUPPLY SOFT BRAKE SPRING	1	
27(1)		VXZ0262	TAKE UP MAIN BRAKE UNIT	1	
28(1)		VXZ0221	TAKE UP SOFT BRAKE UNIT	1	
29(1)		VMB1561	TAKE UP SOFT BRAKE SPRING	1	
30(1)		VMA6896	MOUNT ANGLE (R)	1	
31(1)		VHD0322	ADJUST SCREW	1	
32(1)		VMB1251	ADJUST SPRING	1	
33(1)		VHD0089B	AZIMUTH ADJUST SCREW	1	
34(1)		VBR0132	A/C HEAD	1	
35(1)		VHN0063	M4 NYLON NUT	1	
36(1)		VHN0110	ADJUST NUT	1	
37(1)		VMA7831	HEAD BASE	1	
38(1)		VMB1567	A/C HEAD SPRING	1	
39(1)		VXL1857	SUB LOADING ARM (1) UNIT	1	
40(1)		VMB1566	SUB POST SPRING	1	
41(1)		VXQ0006	THRUST SCREW UNIT	1	
42(1)		VHD0317	HOUSING SCREW	2	
43(1)		VMX1033	OIL SEAL	2	
44(1)		VMX1353	PINCH CAM CAP	1	
45(1)		VXL1858	PRESSURE ROLLER UNIT	1	
46(1)		VMB1941	PIN PRESSURE SPRING	1	
47(1)		VML2232	PINCH PRESSURE ARM	1	
48(1)		VMB1569	PINCH PRESSURE ARM RELEASE	1	
			SPRING		
49(1)		VML1874	PINCH LIFT ARM	1	
50(1)		VDG0597	P5 PULL OUT SECTOR GEAR	1	
51(1)		VDG0421	PINCH CAM	1	
52(1)		VHD0045	M3 NYLON NUT	1	
53(1)		VXL1485	P5 UNIT	1	
54(1)		VMB1554	P5 SPRING	1	
55(1)		VSS0175	MODE SW	1	
57(1)		VXP0863	ROLLER POST UNIT	1	
58(1)		VXA2729	INCLIND BASE (S)(1)UNIT	1	
59(1)		VHD0133	ROLLER POST SCREW	2	
60(1)		VMD0910	POST STOPPER	2	
61(1)		VXP0764A	ROLLER POST UNIT	1	
62(1)		VXA3876	INCLIND BASE(T)(1)UNIT	1	
63(1)		VXA2687	INCLIND ADJUST PLATE UNIT	1	
64(1)		VDG0483	PINCH SPEED DOWN GEAR	1	
65(1)		VDG0332	CONNECTION GEAR	1	
66(1)		VXA3735	SOLENOID UNIT	1	
67(1)		VXA2692	KICK ROD UNIT	1	
68(1)		VML1849	SOLENOID LEVER (1) UNIT	1	
69(1)		VMB1553	KICK ROD SPRING	1	
70(1)		VMB1958	MAIN BRAKE SPRING	1	
71(1)		VXR0188	TAKE UP REEL TABLE UNIT	1	
72(1)		VXD0101	HOUSING UNIT	1	
76(1)		VHD0374	HOUSING SCREW	1	
77(1)		VHD0342	CYLINDER SCREW	3	
80(1)		VXA3520	LED HOLDER UNIT	1	
81(1)		VMA7844	REINFORCEMENT PLATE (F)	1	
82(1)		VMA7845	REINFORCEMENT PLATE (R)	1	
83(1)		VMB1733	LEAF SPRING	1	
84(1)		VMX1088	SUPPLY UPPER LIMITER	1	
85(1)		VDP1072	SUPPLY ROLLER	1	
86(1)		VMX1581	P1 COLLAR	1	
87(1)		VMX1533	SUPPLY ROLLER LIMITER	1	
88(1)		VMX1544	P4 UPPER LIMITER	1	
89(1)		VMX1568	P4 SLEEVE	1	
90(1)		VMX1534	P4 LOWER LIMITER	1	
100(2)		VMX1079	CUT WASHER	6	
101(2)		VMB1583	TAKE UP SOFT BRAKE RELEASE	1	
			ARM SPRING		
102(2)		VMB1560	MAIN LEVER SPRING	1	
103(2)		VXA3509	MAIN LEVER (1) UNIT	1	
104(2)		VMM0215	SUB LEVER	1	
105(2)		VXL1873	SS BRAKE ARM UNIT	1	
106(2)		VMB1588	SS BRAKE SPRING	1	
107(2)		VXA3512	SS BRAKE BASE (1) UNIT	1	
108(2)		VXA3516	TENSION ROLLER UNIT	1	
109(2)		VXL1632	CAM FOLLOWER ARM UNIT	1	
110(2)		VML1861	DETENT ARM	1	
111(2)		VDG0574	MAIN CAM GEAR	1	
112(2)		VDG0343	SUB CAM GEAR	1	
113(2)		VDG0348	CENTRE GEAR	1	
114(2)		VDG0422	RETAINER GEAR	1	
115(2)		VDG0345	PLANET GEAR	3	
116(2)		VDG0547	CLUTCH DISK	1	
117(2)		VMB1558	CLUTCH SPRING	1	
118(2)		VDG0350	LOCK SLIDE GEAR	1	
119(2)		VDG0335	DRIVE DISK	1	
120(2)		VDG0342	RING GEAR	1	
121(2)		VMX0967	CUT WASHER	2	
122(2)		VML1859	CHANGE LEVER	1	
123(2)		VXA2672	RELEASE LEVER (1) UNIT	1	
124(2)		VMB1557	RELEASE SPRING	1	
125(2)		VML1860	RELEASE LEVER	1	
127(2)		VXP1002	TAKE UP REEL GEAR UNIT	1	
128(2)		VDG0445	SUPPLY REEL GEAR	1	
129(2)		VML1858	RETURN LEVER (R)	1	
130(2)		VML1857	RETURN LEVER (L)	1	
131(2)		VMD0913	STOPPER BASE	1	
132(2)		VDV0169	TIMING BELT	1	
133(2)		VXP1113	ROTOR UNIT	1	
134(2)		VMA7941	ROTOR STOPPER	1	
135(2)		VEK4105	STATOR UNIT	1	<!>
136(2)		VMA6847	SUB PLATE	1	
137(2)		VXP0917	CENTRE PULLEY UNIT	1	
138(2)		VDG0564	LOADING GEAR (T)	1	
139(2)		VMB1555	LOADING SPRING (T)	1	
140(2)		VXL1489	LOADING ARM (T)(1) UNIT	1	
141(2)		VXA3515	SECTOR GEAR UNIT	1	
142(2)		VDG0448	LOADING CAM GEAR	1	
143(2)		VDG0419	LOADING GEAR (S)	1	
144(2)		VML1855	PLAY CONTROL ARM	1	
145(2)		VXL1487	LOADING ARM (S)(1) UNIT	1	
146(2)		VDG0546	INTERMEDIATE GEAR	1	
147(2)		VXL1861	PLAY ARM UNIT	1	
148(2)		VBK0048	FG HEAD	1	
149(2)		VMB1746	LOADING SPRING(S)	1	
161(2)		VHD0431	STATOR SPACER SCREW	1	
162(2)		VHN0102	STATOR NUT	1	
201(3)		VMA7223	TOP PLATE	1	
202(3)		VXA3832	CASSETTE HOLDER UNIT	1	
216(3)		VXA2676	SIDE PLATE (L) UNIT	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
217(3)		VMD0917	SIDE PLATE (L)	1	
218(3)		VML1880	OPENER LEVER	1	
219(3)		VXA3895	SIDE PLATE (R) UNIT	1	
221(3)		VXA4642	SLIDE SW UNIT	1	
229(3)		VXP0987	MAIN SHAFT UNIT	1	
230(3)		VMB1836	SUB WIPER SPRING (L)	1	
231(3)		VML1878	SUB WIPER ARM (L)	1	
232(3)		VML1879	SUB WIPER ARM (R)	1	
233(3)		VMB1837	SUB WIPER SPRING (R)	1	
234(3)		VMA6900	CASSETTE GUIDE	1	
235(3)		VKF1212	BLINDER PANEL	1	
236(3)		VMB1258	BLINDER SPRING	1	
240(3)		VMA7224	CASSETTE HOLDER ANGLE	1	
300(4)		VYP3043	TOP PANEL UNIT	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
300(4)		VGM0624	TOP PANEL	1	[SUPPLIED FROM M.B.V]
					NV-J35B
301(4)		VHD0304	TOP PANEL SCREW	4	NV-J35EG
301(4)		VHD0304	TOP PANEL SCREW	2	NV-J35B
302(4)		VKU0309	BOTTOM PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
302(4)		VKU0245	BOTTOM PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35B
303(4)		VYP3150	FRONT PANEL UNIT	1	
308(4)		VEJ0840	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
308(4)		VEJ0839	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
					NV-J35B
311(4)		VHD0059	BOTTOM PLATE SCREW	7	NV-J35EG
311(4)		VHD0059	BOTTOM PLATE SCREW	4	NV-J35B
313(4)		VXA3635	POWER SHIELD CASE(MAIN)UNIT	1	
314(4)		VSC2351	POWER SHIELD COVER (TOP)	1	
315(4)		VGH1476	NAME PLATE	1	
316(4)		VGQ1377	IC. HOLDER	1	
317(4)		VMZ1224	INSULATION SHEET	1	
318(4)		VMZ1140	SW BARRIER(A)	1	
319(4)		VSC2237	POWER SHIELD COVER(BOTTOM)	1	
321(4)		VKA0084	RUBBER FOOT	2	
322(4)		VMP1994	TOP HOLDER ANGLE (RR)	1	NV-J30B
323(4)		VMP1995	TOP HOLDER ANGLE (RL)	1	
324(4)		VMP1037	TOP HOLDER ANGLE (L)	3	NV-J30EG
325(4)		VYF1335	SUPPORT PANEL UNIT	1	
326(4)		VMA7949	EARTH ANGLE	1	
327(4)		VKC0327	TIMER HINGE (A)	1	
329(4)		VMC0460	EARTH SPRING	1	
330(4)		VJF0707	MAIN C.B.A. HOLDER	1	
331(4)		VHD0141	MAIN SCREW	1	
332(4)		VGU4497	DOOR OPEN BUTTON	1	
333(4)		VGU4498	DOOR LOCK LEVER	1	
334(4)		VGQ1675	LOCK LEVER HOLDER	1	
335(4)		VMB1963	LOCK LEVER SPRING	1	
336(4)		VYC0397	DOOR PANEL UNIT	1	NV-J35EG
336(4)		VYC0398	DOOR PANEL UNIT	1	NV-J35B
337(4)		VYP3147	KEY BOARD PANEL UNIT	1	NV-J35EG
337(4)		VYP3154	KEY BOARD PANEL UNIT	1	NV-J35B
339(4)		VXU0881	DOOR GEAR UNIT	1	
340(4)		VGL0455	PANEL LIGHT	1	
341(4)		VMZ1342	DOOR INSULATION SHEET	1	
342(4)		VMT0212	CUSHION RUBBER	2	
343(4)		VMC0524	DOOR EARTH SPRING	1	NV-J35EG
343(4)		VMC0459	DOOR EARTH SPRING	1	NV-J35B
344(4)		VMP2686	SUPPORT ANGLE	1	
400(5)		VQT3621	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(ENGLISH/GERMAN/FRENCH)		<!> NV-J35EG
400(5)		VQT3706	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(GREEK)		<!> NV-J35EG
400(5)		VQT3622	OPERATING INSTRUCTIONS	1	[SUPPLIED FROM M.B.V]
			(ENGLISH)		<!> NV-J35B
401(5)		VPK0825	ACCESSORIES BOX	1	[SUPPLIED FROM M.B.V]
402(5)		VEQ1120	REMOTE CONTROL UNIT	1	NV-J35EG
			(BUILD IN DIGITAL SCANNER)		
402(5)		VEQ1119	REMOTE CONTROL UNIT	1	NV-J35B
			(BUILD IN DIGITAL SCANNER)		
403(5)		VJA0449	AC POWER CORD	1	<!> NV-J35EG

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
403(5)		VJA0568	AC POWER CORD	1	<!> NV-J35B
404(5)		VJA0376	DIN RF CABLE	1	
405(5)		VQC1315	PROGRAMME SHEET	1	NV-J35EG
405(5)		VQC1330	PROGRAMME SHEET	1	NV-J35B
406(5)		VPN2822	CUSHION (R)	1	[SUPPLIED FROM M.B.V]
407(5)		VPN2823	CUSHION (L)	1	[SUPPLIED FROM M.B.V]
408(5)		VPG5377	PACKING	1	[SUPPLIED FROM M.B.V]
					NV-J35EG
408(5)		VPG5379	PACKING	1	[SUPPLIED FROM M.B.V]
					NV-J35B
450(6)		VKF1445	SLIDING LID	1	
451(6)		VYK3066	TOP COVER UNIT	1	NV-J35EG
451(6)		VYK3065	TOP COVER UNIT	1	NV-J35B
452(6)		VGQ1640	SENSOR CAP	1	
453(6)		VSP0507	RUBBER CONTACT (A)	1	
454(6)		VSL0200	LCD	1	
455(6)		VSP0508	RUBBER CONTACT (B)	1	
457(6)		VKW0878	IR WINDOW	1	
458(6)		VMT0297	BASE RUBBER(LCD)	2	
459(6)		VKM2169	BOTTOM COVER	1	
460(6)		VJR0585	ELECTRODE(+)	1	
461(6)		VJR0498	ELECTRODE(COM.)	1	
462(6)		VJR0584	ELECTRODE(-)	1	
463(6)		VKF1455	BATTERY COVER	1	
			SERVICING FIXTURES & TOOLS		
		VFJ8125H3F	VHS ALIGNMENT TAPE	1	
		VFK0335	RETAINING RING REMOVER	1	(3mm/4mm)
		VFK0387	TENSION POST ADJUSTMENT	1	
			PLATE		
		VFK0191	POST ADJUSTMENT PLATE	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0328	H-POSITION ADJUSTMENT	1	
			SCREWDRIVER		
		VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
		VFK62	FAN TYPE TENSION GAUGE	1	
		VFK0326	HEX WRENCH SET	1	
		VFK0132	BACK TENSION METER	1	
		VFK0343	CHECK LIGHT	1	
		VFK0344	HEIGHT ADJUSTMENT JIG	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLYTONE GREASE	1	
		VFK0341	UPPER CYLINDER REMOVER	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS ,K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
4.The P.C.Board units marked width'▮'show below the main assembled parts.
5.Printed circuit board assembly with mark(NLA) is no longer available after discontinuation of the product.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
***********		NV-J35EG/B			
		VEP03764AB	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765AB),
					SECAM PACK C.B.A.
					(VEP03452F),
					INPUT/OUTPUT C.B.A.
					(VEP03594B),
					TV DEMODULATOR C.B.A.
					(VEP07596C),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					VPS C.B.A.
					(VEP07538D),
					OSC C.B.A.
					(VEP06583B).
		VEP03764AA	MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
					INCLUDING THE
					SUB MAIN C.B.A.
					(VEP03765AA),
					INPUT/OUTPUT C.B.A.
					(VEP03594AD),
					TV DEMODULATOR C.B.A.
					(VEP07592B),
					CYLINDER DRIVE C.B.A.
					(VEP02329A),
					OSC C.B.A.
					(VEP06583B).
		VEP03765AB	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDING THE
					SECAM PACK C.B.A.
					(VEP03452F).
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB).
		VEP03765AA	SUB MAIN C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
					INCLUDED IN MAIN
					C.B.A.(VEP03764AA).
		VEP03452F	SECAM PACK C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDED IN SUB MAIN
					C.B.A.(VEP03765AB).
		VEP03594B	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB).
		VEP03594AD	INPUT/OUTPUT C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
					INCLUDED IN MAIN
					C.B.A.(VEP03764AA).
		VEP07596C	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB).
		VEP07592B	TV DEMODULATOR C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
					INCLUDED IN MAIN
					C.B.A.(VEP03764AA).
		VEP02329A	CYLINDER DRIVE C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB/
					VEP03764AA).
		VEP07538D	VPS C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB).
		VEP06583B	OSC C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN MAIN
					C.B.A.(VEP03764AB/
					VEP03764AA).
		VEP07598B	TIMER C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
					INCLUDING THE
					IR RECEIVER C.B.A.
					(VEP06552A)
		VEP07598A	TIMER C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
					INCLUDING THE
					IR RECEIVER C.B.A.
					(VEP06552A)
		VEP06552A	IR RECEIVER C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
					INCLUDED IN TIMER
					C.B.A.(VEP07598B/
					VEP07598A).
		VEP01420AB	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
		VEP01420AA	POWER C.B.A.	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
		VEP05137D	HEAD AMP C.B.A.	1	(NLA) NV-J35EG
		VEP05137A	HEAD AMP C.B.A.	1	(NLA) NV-J35B
		VEP06681A	POWER SW C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
		VEP00P95A	MIC JACK C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NLA)
		VEP06569AC	KEY BOARD SW C.B.A.	1	
					(NLA) NV-J35EG
		VEP06569D	KEY BOARD SW C.B.A.	1	
					(NLA) NV-J35B
		VEP66125E	REMOTE CONTROL UNIT C.B.A.	1	(NLA) NV-J35EG
		VEP66125D	REMOTE CONTROL UNIT C.B.A.	1	(NLA) NV-J35B
		VXA3554	MECHANISM CONNECTION C.B.A.	1	(NLA)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEK3578	SUPPLY PHOTO TR. C.B.A.	1	(NLA)
			TAKE-UP PHOTO TR. C.B.A.	1	(NLA)
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
					OR VEQ1043
		ENC17972A	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
		ENV87837H3	TUNER	1	[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35B
	■	VEP03764AB	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!> (NLA) NV-J35EG
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C315		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C324		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JH	P.CAPACITOR 50V 5600P	1	
C353		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C354		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C707		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	1	
C708		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C715-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C723		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C727		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270RSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JCN	C.CAPACITOR CH 50V 68P	1	
C748		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H473JZ	P.CAPACITOR 50V 0.047U	1	
C775		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C781		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C797,98		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C830		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C839		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C840		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C841-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C851		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C852		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C853		ECEA10Z47	E.CAPACITOR 10V 47U	1	
C854		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C855		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C856		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C858		ECKF1H681KB	C.CAPACITOR 50V 680P	1	
C859		ECCF1H470JC	C.CAPACITOR 50V 47P	1	
C1001		ECEA1CK470	E.CAPACITOR 25V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2032		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2301		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2302		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2303		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2304		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2305		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2501		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2502		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2504		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2505		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2506		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2507		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2508		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2509		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3072		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3808		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3809		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C3810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3812		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C3813		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3814		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3815,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3817		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3818,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3820		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3822		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3913		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUX1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4032		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4034		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6201		ECUM1E563KBX	C.CAPACITOR CH 25V 0.056U	1	
C6801		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7407		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7410		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7431		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H332JH	P.CAPACITOR 50V 3300P	1	
C7668		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7685		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7801		ECQB1H102JH	P.CAPACITOR 50V 1000P	1	
C7802		ECQB1H471JH	P.CAPACITOR 50V 470P	1	
C7803		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C7804		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7805		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7806		ECQB1H333JH	P.CAPACITOR 50V 0.033U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7815		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C7816		ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	
C7851		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7852		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C7853,54		ECCF1H330JC	C.CAPACITOR 50V 33P	2	
C7855,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7860		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		11ES1	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007-10		MA165	DIODE	4	
D2403		MA165	DIODE	1	
D2405,06		MA165	DIODE	2	
D2409		MA204WA	DIODE	1	
D2501		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D6801		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7672,73		MA3150H	DIODE	2	
D7851		MA165	DIODE	1	
DL803		EFDWF124A13A	DELAY	1	
F6001		VSF0077	FUSE	1	<!>
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
FL851		VLF0143	FILTER	1	
FL3101		VLF0413	FILTER	1	
IC301		VEFH03D	HIC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEFH04F	P.C.BOARD	1	
IC802		M52055P	IC	1	
IC851		BA7025L	IC	1	
IC2001		MN6740VCQK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC2301		AN6561L	IC	1	
IC2302		XRA10393N	IC	1	
IC2501		CF77384NS	IC	1	
IC2502		BA6305F	IC	1	
IC3101		BA7004	IC	1	
IC3801		M52063SP	IC	1	
IC3901		LA7150	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC4001		BA7766AS	IC	1	
IC4002		UPD4066BG	IC	1	
IC6003		MN12821R	IC	1	(R)
IC6801		MN15522VMS	IC	1	
IC7801		SAA4700	IC	1	
IC7851		MN158413VSSJ	IC	1	
IC7852		MN1280S	IC	1	(S)
J701		VJR0231	PACK PIN	1	
J702,03		VJR0406	PACK PIN	2	
J704		VJR0231	PACK PIN	1	
KR851		VJR0163	PACK PIN	1	
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303,04		VLQEL05F101K	COIL 100UH	2	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L311		VLQEL05F2R2K	COIL 2.2UH	1	
L701,02		ELESP680KA	COIL 68UH	2	
L711		ELQTR68XB	COIL 0.68UH	1	
L712		VLQ0305J1R2	COIL 1.2UH	1	
L714		VLQ0305J1R2	COIL 1.2UH	1	
L715		VLQ0213K680	COIL 68UH	1	
L716		ELESP560KA	COIL 56H	1	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP120KA	COIL 12UH	1	
L781		ELESP680KA	COIL 68UH	1	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L820		VLQEL05F101K	COIL 100UH	1	
L821		VLQEL05F150K	COIL 15UH	1	
L822		VLQ0213K150T	COIL 15H	1	
L851		VLQEL05F101K	COIL 100UH	1	
L2002		VLP0074	COIL	1	
L2003		ELESP101KA	COIL	1	
L2101		ELESP102KA	COIL 1000UH	1	
L3001-03		ELESP101KA	COIL	3	
L3005		ELESP120KA	COIL 12UH	1	
L3006		ELESP6R8KA	COIL	1	
L3007		ELESP101KA	COIL	1	
L3008		ELESP3R3KA	COIL	1	
L3101		VLQEL05F101K	COIL 100UH	1	
L3805		VLQEL05F101K	COIL 100UH	1	
L3901		VLQEL05F1R0K	COIL 1UH	1	
L3902		VLQEL05F2R7K	COIL 2.7UH	1	
L3903		VLQEL05F1R0K	COIL 1UH	1	
L3904		VLQEL06F471K	COIL 470UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		ELESP471KA	COIL	1	
L6101		VLQEL05F101K	COIL 100UH	1	
L7401		ELESP1R0KA	COIL 1UH	1	
L7402		ELESP101KA	COIL	1	
L7403		VLP0085	FILTER	1	
L7404		ELESP1R0KA	COIL 1UH	1	
L7405		ELESP101KA	COIL	1	
P001		VJS1237T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P501		VJS2382T	CONNECTOR (FEMALE)	1	
P1001		VJS2571A013	CONNECTOR (FEMALE)	1	
P1502		VJS1141T	CONNECTOR (FEMALE)	1	
P2001		VJP1932T	CONNECTOR (MALE)	1	
P2001		VJS1932T	CONNECTOR (FEMALE)	1	
P2201		VJP1237T	CONNECTOR(MALE) 10P	1	
P2201		VJS1237T	CONNECTOR (FEMALE)	1	
P3001		VJP1931T	CONNECTOR (MALE)	1	
P3001		VJS2382T	CONNECTOR (FEMALE)	1	
P3902		VJS1469	CONNECTOR(FEMALE)	1	
P4001		VJP2622	CONNECTOR	1	
P4002		VJP1229T	CONNECTOR(MALE) 2P	1	
P4002		VJS1229T	CONNECTOR (FEMALE)	1	
P4003		VJP1231T	CONNECTOR(MALE) 4P	1	
P4003		VJS1231T	CONNECTOR (FEMALE)	1	
P6001		VJS2571A012	CONNECTOR (FEMALE)	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6202		VJS1231T	CONNECTOR (FEMALE)	1	
P7401		VJS1662	CONNECTOR (FEMALE)	1	
P7402		VJS2571A015	CONNECTOR (FEMALE)	1	
PK1		VJR0189	CONNECTOR (MALE)	1	
PK2201		VJR0452	PACK PIN	1	
PK2202		VJR0348	PACK PIN	1	
PK3901		VJR0348	PACK PIN	1	
PK3902		VJR0523	PACK PIN	1	
PK3903		VJR0348	PACK PIN	1	
PK3904		VJR0416	PACK PIN	1	
PK6101		VJR0277	PACK PIN	1	
Q301		MSB709	TRANSISTOR	1	(Q,R,S)
Q302		MSC2295	TRANSISTOR	1	(B,C)
Q303		MSC2295	TRANSISTOR	1	(B,C)
Q304		MSD601	TRANSISTOR	1	(Q,R,S)
Q703		2SD601	TRANSISTOR	1	(S,T)
Q710		2SC2377	TRANSISTOR	1	(C,D)
Q712		2SD638	TRANSISTOR	1	
Q713		2SD1328	TRANSISTOR	1	(S)
Q771		2SD601	TRANSISTOR CHIP	1	(S,T)
Q804		MSB709	TRANSISTOR	1	(Q,R,S)
Q2001		MSD601	TRANSISTOR	1	(Q,R,S)
Q2002		2SD1996	TRANSISTOR	1	(S)
Q2003		MSB709	TRANSISTOR	1	
Q2301		MSD601	TRANSISTOR	1	(Q,R,S)
Q2302,03		MSB709	TRANSISTOR	2	(Q,R,S)
Q3001		MSC2295	TRANSISTOR	1	
Q3003		MSD601	TRANSISTOR	1	
Q3004		MSB709	TRANSISTOR	1	(Q,R,S)
Q3006		MSC2295	TRANSISTOR	1	
Q3007		MSB709	TRANSISTOR	1	(Q,R,S)
Q3101		MSD601	TRANSISTOR	1	
Q4001		MSD602	TRANSISTOR	1	(R)
Q4002		2SA1309	TRANSISTOR	1	
Q6001		2SD893	TRANSISTOR	1	
Q6002,03		2SD1994	TRANSISTOR	2	(S)
Q6004		2SD1992	TRANSISTOR	1	
Q6006		2SB1321	TRANSISTOR	1	
Q6007		MSB710	TRANSISTOR	1	(R,S)
Q6008		2SD1273	TRANSISTOR	1	(P)
Q6010		2SD1991A	TRANSISTOR	1	
Q6011		MSB709	TRANSISTOR	1	
Q6101		2SC2206	TRANSISTOR	1	(B,C)
QR304		MRN1403	TRANSISTOR-RESISTOR	1	
QR701		MRN1404	TRANSISTOR-RESISTOR	1	
QR702		MRN1404	TRANSISTOR-RESISTOR	1	
QR711,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR714		MRN1402	TRANSISTOR-RESISTOR	1	
QR853		UN1213	TRANSISTOR-RESISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR1001		MRN1404	TRANSISTOR-RESISTOR	1	
QR2002		DTC363EK	COMBI.TR-R	1	
QR2004		2SD1676	TRANSISTOR-RESISTOR	1	
QR2005		MRN1404	TRANSISTOR-RESISTOR	1	
QR2402,03		MRN2403	TRANSISTOR-RESISTOR	2	
QR2502		DTC363EK	COMBI.TR-R	1	
QR3004		MRN2402	TRANSISTOR-RESISTOR	1	
QR3005		MRN1404	TRANSISTOR-RESISTOR	1	
QR3008		MRN1404	TRANSISTOR-RESISTOR	1	
QR3801		MRN2404	TRANSISTOR-RESISTOR	1	
QR3802		MRN1404	TRANSISTOR-RESISTOR	1	
QR4001,02		MRN1404	TRANSISTOR-RESISTOR	2	
QR6002		UN2119	TRANSISTOR-RESISTOR	1	
QR6003		MRN2404	TRANSISTOR-RESISTOR	1	
QR6004		MRN1404	TRANSISTOR-RESISTOR	1	
QR6007		MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12		MRN1403	TRANSISTOR-RESISTOR	2	
QR6201		MRN2404	TRANSISTOR-RESISTOR	1	
QR6202		MRN1404	TRANSISTOR-RESISTOR	1	
QR7401		MRN1402	TRANSISTOR-RESISTOR	1	
QR7851		UN1211	TRANSISTOR-RESISTOR	1	
QR7852		UN1213	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R301		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R312		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R317		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R320		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325		ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R339		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R712		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R713		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R714		ERD2FCG330	C.RESISTOR 2W 33	1	
R715		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R716		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R717		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718		ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719,20		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R721		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R722		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723		ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R725		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R741		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R743		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R745		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R757		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R758		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R759		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R763		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R781		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R782		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R792		ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R841-43		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	3	
R844,45		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R846,47		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R851		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R852		ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R853		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R854		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R855		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R856		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R858		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2033		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2035,36		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2107		ERJ6GMYG153	M.RESISTOR CH 1/10W 15K	1	
R2108		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2301		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2302		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2303		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2304		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2306		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2307		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2308		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2309		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2310		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2311		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2312,13		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2314,15		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2316		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2402		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2403		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2501		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2503		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2504		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2505		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2506		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3027		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3812		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3813		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3814		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3815		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3816		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3817		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R3818		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3819		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3820		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3821		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3822,23		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	2	
R3901		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GEYJ242	M.RESISTOR CH 1/10W 2.4K	2	
R3905		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3906		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4021		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4022		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R4048		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4049		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4051		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6202		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6203		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6204		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6205		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6206		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7401		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7656		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7801		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R7802		EROS2CKG7502	M.RESISTOR 1/4W 75K	1	
R7803,04		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
R7805		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R7806		EROS2CKG3601	M.RESISTOR 1/4W 3.6K	1	
R7807		ERDS2TJ474	C.RESISTOR 1/4W 470K	1	
R7851		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7852		ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R7860		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
T703		EIV5EC013A	TRANSFORMER	1	
T704		EIV5EC006A1	TRANSFORMER	1	
T710		EULBEF023	TRANSFORMER	1	
T711		EIS5EC004A	TRANSFORMER	1	
T851		ELM7Q207A	COIL	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701,02		EVN4YCA00B23	V.RESISTOR 2K	2	
VR741		EVNDRAA00B14	V.RESISTOR 10K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2009,10		EVND1AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDRAA00B15	V.RESISTOR 100K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR3801		EVN4YCA00B14	V.RESISTOR 10K	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH38MSP2	CRYSTAL OSCILLATOR	1	
X711		EFCS5R5MW5	FILTER	1	
X712		EFCS5R5MS5	FILTER	1	
X715		ELB5A043	FILTER	1	
X716		EFCA31R90M1	CRYSTAL OSCILLATOR	1	31.75MHZ
X717		EFCA40R40M1	FILTER	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X6801		VSX0258	CRYSTAL OSC.	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
X7851		EFOA4R0M03C2	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMA6768	EARTH ANGLE	1	
		ENC17976	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!> OR VEQ1043
		VEJ0840	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV57850H6	TUNER	1	[SUPPLIED FROM M.B.V]
					<!>[FOR TV DEMODU.]
		VSC2713	SHIELD(MAIN)	1	[FOR TV DEMODU.]
		VSC2712	SHIELD(TOP)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD(BOTTOM)	1	[FOR TV DEMODU.]
		VEJ0776	REAR JACK	1	[SUPPLIED FROM M.B.V]

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP03764AA	MAIN C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35B
			CAPACITORS		
C301		ECEA1EKN2R2	E.CAPACITOR 25V 2.2U	1	
C302		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C303		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C304		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C305		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C306		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C307		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C308		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C309		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C310		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C311,12		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C313		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C314		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C315		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C316		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C317		ECEA1AK470	E.CAPACITOR 10V 47U	1	
C318		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C319		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C320		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C321		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C322		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C323,24		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C325,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C327,28		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C329		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C331		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C332		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C333		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C334		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C335		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C336		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C337		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C338		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C339		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C340		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C341		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C342		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C343		ECEA0JK220	E.CAPACITOR 6.3V 22U	1	
C345		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C349		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C351		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C352		ECQB1H562JZ3	F.CAPACITOR 50V 5600P	1	
C354		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C360		ECUM1H153ZFN	C.CAPACITOR CH 50V 0.015U	1	
C701		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C702		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C703		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C706		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C708		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C717-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C721		ECEA1HKR27K	E.CAPACITOR 50V 0.27U	1	
C722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C725		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C730		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C731		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C732		ECQV1H224B0	P.CAPACITOR 50V 0.22U	1	
C734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C735		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C736		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C737		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C739		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C741		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C742		ECUN1H030CCN	C.CAPACITOR CH 50V 3P	1	
C743		ECUM1H270JSN	C.CAPACITOR CH 50V 27P	1	
C744		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C745		ECUX1H680JPN	C.CAPACITOR CH 50V 68P	1	
C746		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C748		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C749		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C760		ECQV1H563JZ	P.CAPACITOR 50V 0.056U	1	
C782		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C801,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C803		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C804,05		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C806		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C807,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C810		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C811		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C812		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C813		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C814		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C815		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C816		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C817		ECQV1H124JZ	P.CAPACITOR 50V 0.12U	1	
C818		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C819		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C820		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C821		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C823		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	1	
C824		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C825		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C826		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C827		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	
C828		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C829		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C831,32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C833		ECUM1H471KBN	C.CAPACITOR CH 50V 470P	1	
C839		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C840		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C841-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	9	
C1001		ECEA1CK470	E.CAPACITOR 25V 47U	1	
C1003		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C1004		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2001		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2002		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003		ECQB1H472JZ	P.CAPACITOR 50V 4700P	1	
C2004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2005		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2006		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2007		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2009		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2010		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2011		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2012		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2013		ECEA1HK4R7	E.CAPACITOR 50V 4.7U	1	
C2014		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2015		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2016		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2017		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2018		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2019		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2020		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2022		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2024		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2025		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C2026		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C2027		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2028		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2030		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2031		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2032		ECEA1HKN010	E.CAPACITOR 50V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2034		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C2050		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C2101-03		ECQB1H333JZ	P.CAPACITOR 50V 0.033U	3	
C2104-06		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	3	
C2107,08		VCYD1E333KR	S.CAPACITOR 25V 0.033U	2	
C2111		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C2115		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C2116		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2118		VCYD1E333KR	S.CAPACITOR 25V 0.033U	1	
C2121		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2201		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2203		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2204-06		ECEA1HK0R1	E.CAPACITOR 50V 0.1U	3	
C2207		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2208-10		ECEA1VKN4R7	E.CAPACITOR 35V 4.7U	3	
C2211		ECQB1H473JH	P.CAPACITOR 50V 0.047U	1	
C2212		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C2213		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2301		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2302		VCYD1E473KR	S.CAPACITOR 25V 0.047U	1	
C2303		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C2304		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C2305		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2501		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C2502		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2504		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2505		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2506		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2507		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2508		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C2509		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3001		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3002		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3010		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3011		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3012		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C3013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C3014		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3015		VCYD1E103KR	S.CAPACITOR 25V 0.01U	1	
C3016		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3019		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3027		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3053		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3064		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C3065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3070		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3071		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3076		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3081		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C3101		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C3102		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C3103,04		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	2	
C3105		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C3808		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3809		ECQB1H332JZ	P.CAPACITOR 50V 0.27U	1	
C3810		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3812		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C3813		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3814		ECEA0JK101U	E.CAPACITOR 6.3V 100U	1	
C3815,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3817		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3818,19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3820		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3822		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3901,02		ECEA1CK330	E.CAPACITOR 16V 33U	2	
C3903		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C3904-06		ECEA1CK470	E.CAPACITOR 16V 47U	3	
C3907,08		ECEA1HK2R2	E.CAPACITOR 50V 2.2U	2	
C3909		ECEA1HKR47	E.CAPACITOR 50V 0.47U	1	
C3914		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3916		ECUX1H471KBN	C.CAPACITOR CH 50V 470P	1	
C4001		ECQB1H103JZ	P.CAPACITOR 50V 0.01U	1	
C4002		ECEA16M33	E.CAPACITOR 16V 33U	1	
C4003		ECKF1H102ZF	C.CAPACITOR 50V 1000P	1	
C4004		ECQP1222JZ	P.CAPACITOR 0.0022U	1	
C4005		ECCD2H121K	C.CAPACITOR 500V 120P	1	
C4006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C4008		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C4009		ECEA1EK4R7	E.CAPACITOR 25V 4.7U	1	
C4011		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	
C4012		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C4013		ECUM1H681JN	C.CAPACITOR CH 50V 680P	1	
C4014		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4015		ECEA16M10R	E.CAPACITOR 16V 10.U	1	
C4016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4017		ECEA10M47	E.CAPACITOR 10V 47U	1	
C4018		ECQB1H822JZ	P.CAPACITOR 50V 8200P	1	
C4020		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4021		ECEA1AK101	E.CAPACITOR 10V 100U	1	
C4022		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4023		ECUN1H221JCN	C.CAPACITOR CH 50V 220P	1	
C4024,25		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C4026		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C4029		ECQB1H123JZ	P.CAPACITOR 50V 0.012U	1	
C4032		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C4033		ECQB1H102JH	P.CAPACITOR 50V 1000P	1	
C4034		ECUM1H681KBN	C.CAPACITOR CH 50V 680P	1	
C4036		ECUX1H681JN	C.CAPACITOR CH 50V 680P	1	
C6001,02		ECEA0JK470	E.CAPACITOR 6.3V 47U	2	
C6005		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6006		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6007		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6010		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C6011,12		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C6013		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6014		ECEA1CK220	E.CAPACITOR 16V 22U	1	
C6015		ECEA1CK330	E.CAPACITOR 16V 33U	1	
C6025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6103		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6104		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C6105		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6106		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6201		ECUM1E563KBX	C.CAPACITOR CH 25V 0.056U	1	
C6801		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7401		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C7402		EECS5R5V473	E.CAPACITOR 5.5V 0.047	1	
C7408		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C7409		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7421		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7422		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C7651		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C7653		ECQB1H392JH	P.CAPACITOR 50V 3900P	1	
C7654		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
C7655,56		ECEA1HK010	E.CAPACITOR 50V 1U	2	
C7657		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7658		ECQP1H562JZ	P.CAPACITOR 50V 5600P	1	
C7659		ECQB1H272JH	P.CAPACITOR 50V 2700P	1	
C7661		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C7662		ECQV1H683JZ	P.CAPACITOR 50V 0.068U	1	
C7663		ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C7664		ECQB1H273JH	P.CAPACITOR 50V 0.027U	1	
C7665,66		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7667		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7675		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C7676,77		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C7678		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C7680		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C7681,82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D301		MA4091M	DIODE	1	
D710		MA3100L	DIODE	1	
D771		MA151WK	DIODE	1	
D772		MA165	DIODE	1	
D773		MA151K	DIODE	1	
D805		MA165	DIODE	1	
D1001,02		MA165	DIODE	2	
D2003,04		MA165	DIODE	2	
D2007-10		MA165	DIODE	4	
D2403		MA165	DIODE	1	
D2405,06		MA165	DIODE	2	
D2407		MA204WK	DIODE	1	
D2409		MA204WA	DIODE	1	
D2501		MA165	DIODE	1	
D3001		MA165	DIODE	1	
D3009		MA165	DIODE	1	
D3101		MA165	DIODE	1	
D3102		MA29WA	DIODE	1	
D3901,02		MA165	DIODE	2	
D4003		MA165	DIODE	1	
D6001		MA4051	DIODE	1	
D6002-04		MA165	DIODE	3	
D6005		ERA15-01	DIODE	1	
D6006		MA165	DIODE	1	
D6008		MA723	DIODE	1	
D6009		MA4150L	DIODE	1	
D6023		MA165	DIODE	1	
D6801		MA165	DIODE	1	
D7401,02		MA723	DIODE	2	
D7601		MA151A	DIODE	1	
D7602		MA3082M	DIODE	1	
DL801		VLD0089	DELAY	1	
DL803		EFDWF124A13A	DELAY	1	
F6001		VSF0077	FUSE	1	<!>
FL301		ELB4M022	FILTER	1	
FL302		VLF0499	FILTER	1	
FL303		VLF0727	FILTER	1	
FL801		ELB4W002	FILTER	1	
IC301		VEFH03D	HIC	1	
IC302		AN3495K	IC	1	
IC303		MSM6965-3RS	IC	1	
IC701		M51366SP	IC	1	
IC801		VEFH04F	P.C.BOARD	1	
IC802		M52055P	IC	1	
IC2001		MN6740VCQK	IC	1	
IC2101		BA6435S	IC	1	
IC2201		AN3814K	IC	1	
IC2301		AN6561L	IC	1	
IC2302		XRA10393N	IC	1	
IC2501		CF77384NS	IC	1	
IC2502		BA6305F	IC	1	
IC3101		BA7004	IC	1	
IC3801		M52063SP	IC	1	
IC3901		LA7150	IC	1	
IC4001		BA7766AS	IC	1	
IC4002		UPD4066BG	IC	1	
IC6003		MN12821R	IC	1	(R)
IC6801		MN15522VMS	IC	1	
IC7651		AN5421	IC	1	
IC7652		AN5043	IC	1	
IC7653		MN4066BS	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L301		VLQEL05F101K	COIL 100UH	1	
L302		VLQEL05F220K	COIL 22UH	1	
L303		VLQEL05F101K	COIL 100UH	1	
L304		VLQEL05F121K	COIL 120UH	1	
L305		VLQEL05F680K	COIL 68UH	1	
L306		VLQEL05F101K	COIL 100UH	1	
L307		VLQEL05F151K	COIL 150UH	1	
L308		VLQEL05F270K	COIL 27UH	1	
L309,10		VLQEL05F101K	COIL 100UH	2	
L701		ELESP680KA	COIL 68UH	1	
L713,14		VLQ0305J1R2	COIL 1.2UH	2	
L717,18		ELESP680KA	COIL 68UH	2	
L719		ELESP150KA	COIL 15UH	1	
L720		ELESP680KA	COIL 68UH	1	
L801		VLQEL05F101K	COIL 100UH	1	
L802,03		VLQEL05F150K	COIL 15UH	2	
L805		VLQEL05F101K	COIL 100UH	1	
L806		VLQEL05F681K	COIL 680UH	1	
L808		VLQEL05F470K	COIL 47UH	1	
L809		VLQEL05F331K	COIL 330UH	1	
L810		VLQEL05F101K	COIL 100UH	1	
L811		VLQEL05F470K	COIL 47UH	1	
L812		VLQEL05F681K	COIL 680UH	1	
L820		VLQEL05F101K	COIL 100UH	1	
L821		VLQEL05F150K	COIL 15UH	1	
L822		VLQ0213K150T	COIL 15H	1	
L2002		VLP0074	COIL	1	
L2003		ELESP101KA	COIL	1	
L2101		ELESP102KA	COIL 1000UH	1	
L3001-03		ELESP101KA	COIL	3	
L3005		ELESP120KA	COIL 12UH	1	
L3006		ELESP6R8KA	COIL	1	
L3007		ELESP101KA	COIL	1	
L3008		ELESP3R3KA	COIL	1	
L3011		ELESP5R6KA	COIL H	1	
L3101		VLQEL05F101K	COIL 100UH	1	
L3805		VLQEL05F101K	COIL 100UH	1	
L3901		VLQEL05F1R0K	COIL 1UH	1	
L3902		VLQEL05F2R7K	COIL 2.7UH	1	
L4001		VLQEL07F822J	COIL 8200UH	1	
L4002		ELESP471KA	COIL	1	
L6101		VLQEL05F101K	COIL 100UH	1	
L7401		ELESP1R0KA	COIL 1UH	1	
L7402		ELESP101KA	COIL	1	
L7404		ELESP1R0KA	COIL 1UH	1	
P001		VJS1237T	CONNECTOR (FEMALE)	1	
P006		VJS1902	CONNECTOR (FEMALE)	1	
P501		VJS2382T	CONNECTOR (FEMALE)	1	
P1001		VJS2571A013	CONNECTOR (FEMALE)	1	
P1502		VJS1141T	CONNECTOR (FEMALE)	1	
P2001		VJP1932T	CONNECTOR (MALE)	1	
P2001		VJS1932T	CONNECTOR (FEMALE)	1	
P2201		VJP1237T	CONNECTOR(MALE) 10P	1	
P2201		VJS1237T	CONNECTOR (FEMALE)	1	
P3001		VJP1931T	CONNECTOR (MALE)	1	
P3001		VJS2382T	CONNECTOR (FEMALE)	1	
P3902		VJS1469	CONNECTOR(FEMALE)	1	
P4001		VJP2622	CONNECTOR	1	
P4002		VJP1229T	CONNECTOR(MALE) 2P	1	
P4002		VJS1229T	CONNECTOR (FEMALE)	1	
P4003		VJP1231T	CONNECTOR(MALE) 4P	1	
P4003		VJS1231T	CONNECTOR (FEMALE)	1	
P6001		VJS2571A012	CONNECTOR (FEMALE)	1	
P6002		VJS2571A004	CONNECTOR (FEMALE)	1	
P6202		VJS1231T	CONNECTOR (FEMALE)	1	
P7401		VJS1662	CONNECTOR (FEMALE)	1	
P7402		VJS2571A015	CONNECTOR (FEMALE)	1	
PK701		VJR0231	PACK PIN	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
PK702,03	VJR0406	PACK PIN	2	
PK704	VJR0231	PACK PIN	1	
PK2201	VJR0452	PACK PIN	1	
PK2202	VJR0348	PACK PIN	1	
PK3901	VJR0348	PACK PIN	1	
PK3902	VJR0523	PACK PIN	1	
PK3903	VJR0348	PACK PIN	1	
PK3904	VJR0416	PACK PIN	1	
PK6101	VJR0277	PACK PIN	1	
Q301	MSB709	TRANSISTOR	1	(Q,R,S)
Q302	MSC2295	TRANSISTOR	1	(B,C)
Q303	MSC2295	TRANSISTOR	1	(B,C)
Q304	MSD601	TRANSISTOR	1	(Q,R,S)
Q703	2SD601	TRANSISTOR	1	(S,T)
Q712	2SD638	TRANSISTOR	1	
Q713	2SD1328	TRANSISTOR CHIP	1	(S,T)
Q771	2SD601	TRANSISTOR	1	(S,T)
Q772	2SD601	TRANSISTOR CHIP	1	(S,T)
Q801	MSD601	TRANSISTOR	1	(Q,R,S)
Q802	MSC2295	TRANSISTOR	1	(B,C)
Q804	MSB709	TRANSISTOR	1	(Q,R,S)
Q2001	MSD601	TRANSISTOR	1	(Q,R,S)
Q2002	2SD1996	TRANSISTOR	1	(S)
Q2003	MSB709	TRANSISTOR	1	
Q2301	MSD601	TRANSISTOR	1	(Q,R,S)
Q2302,03	MSB709	TRANSISTOR	2	(Q,R,S)
Q3001	MSC2295	TRANSISTOR	1	
Q3003	MSD601	TRANSISTOR	1	
Q3004	MSB709	TRANSISTOR	1	(Q,R,S)
Q3006	MSC2295	TRANSISTOR	1	
Q3007	MSB709	TRANSISTOR	1	(Q,R,S)
Q3101	MSD601	TRANSISTOR	1	
Q4001	MSD602	TRANSISTOR	1	(R)
Q4002	2SA1309	TRANSISTOR	1	
Q6001	2SD893	TRANSISTOR	1	
Q6002,03	2SD1994	TRANSISTOR	2	(S)
Q6004	2SD1992	TRANSISTOR	1	
Q6006	2SB1321	TRANSISTOR	1	
Q6007	MSB710	TRANSISTOR	1	(R,S)
Q6008	2SD1273	TRANSISTOR	1	(P)
Q6010	2SD1991A	TRANSISTOR	1	
Q6011	MSB709	TRANSISTOR	1	
Q6101	2SC2206	TRANSISTOR	1	(B,C)
QR301	MRN1403	TRANSISTOR-RESISTOR	1	
QR302-04	MRN1403	TRANSISTOR-RESISTOR	3	
QR701,02	UN2213	TRANSISTOR-RESISTOR	2	
QR713	UN2211	TRANSISTOR-RESISTOR	1	
QR801	MRN1403	TRANSISTOR-RESISTOR	1	
QR1001	MRN1404	TRANSISTOR-RESISTOR	1	
QR2002	DTC363EK	COMBI.TR-R	1	
QR2004	2SD1676	TRANSISTOR-RESISTOR	1	
QR2005	MRN1404	TRANSISTOR-RESISTOR	1	
QR2402,03	MRN2403	TRANSISTOR-RESISTOR	2	
QR2405	MRN1404	TRANSISTOR-RESISTOR	1	
QR2502	DTC363EK	COMBI.TR-R	1	
QR3004	MRN2402	TRANSISTOR-RESISTOR	1	
QR3005	MRN1404	TRANSISTOR-RESISTOR	1	
QR3006,07	DTC363EK	COMBI.TR-R	2	
QR3008	MRN1403	TRANSISTOR-RESISTOR	1	
QR3010	MRN1404	TRANSISTOR-RESISTOR	1	
QR3801	MRN2404	TRANSISTOR-RESISTOR	1	
QR3802	MRN1404	TRANSISTOR-RESISTOR	1	
QR4001,02	MRN1404	TRANSISTOR-RESISTOR	2	
QR6002	UN2119	TRANSISTOR-RESISTOR	1	
QR6003	MRN2404	TRANSISTOR-RESISTOR	1	
QR6004	MRN1404	TRANSISTOR-RESISTOR	1	
QR6006	MRN1404	TRANSISTOR-RESISTOR	1	
QR6007	MRN1403	TRANSISTOR-RESISTOR	1	
QR6011,12	MRN1403	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR6201	MRN2404	TRANSISTOR-RESISTOR	1	
QR6202	MRN1404	TRANSISTOR-RESISTOR	1	
QR7401	MRN1402	TRANSISTOR-RESISTOR	1	
QR7499	MRN1403	TRANSISTOR-RESISTOR	1	
QR7601	MRN1404	TRANSISTOR-RESISTOR	1	
		RESISTORS		
R301	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R302	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R303	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R304	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R305	ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R306	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R307	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R308	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R309	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R310	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R311	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R312	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R313	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R314	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R315	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R317	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R318	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R319	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R320	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R325	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R326	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R327	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R328	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R329	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R330	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R331	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R332	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R334,35	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R338	ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R716	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R717	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R718	ERJ6GEYJ754	M.RESISTOR CH 1/10W 750K	1	
R719	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R720	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R721	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R723	ERJ6GEYJ183	M.RESISTOR CH 1/10W 180K	1	
R724	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R725	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R726	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R727	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R728	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R729,30	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R737	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R738	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R739	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R740	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R743	ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R744	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R745	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R746	ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R747	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R750	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R751	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R756	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R757,58	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R763	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R764	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R772	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R773	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R774	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R792	ERDS2TJ120	C.RESISTOR 1/4W 12	1	
R795	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R801	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R802	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R803,04	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R805,06	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R807		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R808		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R809		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R810		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R815		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R816		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R819		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R820		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R821		ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K	1	
R822		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R824		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R825		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R827		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R828		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R831		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R841-43		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	3	
R844,45		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R846,47		ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R2001,02		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R2004,05		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2006		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R2007		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2008		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2009		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2010		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2011		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2012		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2013		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2014		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2015,16		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2017		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2018		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2019		ERJ6GMYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R2021		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2022		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2023		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2024		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2025		ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2026		ERJ6GMYG392	M.RESISTOR CH 1/10W 3.9K	1	
R2027		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2028		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2029		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2030		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R2031		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2032		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R2033		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2034		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2035,36		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2037		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2038		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2040		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R2051		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2101-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2104		ERX12SJR47E	M.RESISTOR 1/2W 0.47	1	
R2105		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2106		ERJ6GMYG561	M.RESISTOR CH 1/10W 560	1	
R2107		ERJ6GMYG153	M.RESISTOR CH 1/10W 15K	1	
R2108		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2109		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R2201		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2202-04		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2205		ERX12SJR68E	M.RESISTOR 1/2W 0.68	1	
R2301		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2302		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2303		ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K	1	
R2304		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2306		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2307		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2308		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2309		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	
R2310		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2311		ERJ6GMYJ824	M.RESISTOR CH 1/10W 820K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2312,13		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2314,15		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R2316		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2402		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R2403		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2405		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2501		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R2503		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2504		ERJ6GMYJ823	M.RESISTOR CH 1/10W 82K	1	
R2505		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2506		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3001		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3002		ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3003		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3022,23		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	
R3027		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3029		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3030		ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3042		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3057		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3060		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3062		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3063		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3071		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3085		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R3086		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R3087,88		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	2	
R3091		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3094		ERJ6GMY0R00	M.RESISTOR CH 1/10W 0.00	1	
R3095		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3096		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R3101		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R3102		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3103		ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3104		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R3812		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3813		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3814		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R3815		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R3816		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R3817,18		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R3819		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3820		ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3821		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3822,23		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	2	
R3901		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3902		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3903,04		ERJ6GEYJ242	M.RESISTOR CH 1/10W 2.4K	2	
R3905		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3906		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3908		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3909		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R3910		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R3912		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3913		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3916		ERDS2T0	C.RESISTOR 1/4W 0	1	
R4001		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R4002		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4003		ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R4004		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4007		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R4008		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R4010		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4013		ERJ6GMYJ394	M.RESISTOR CH 1/10W 390K	1	
R4014		ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R4015		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4016		ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R4017		ERJ6GMYJ302	M.RESISTOR CH 1/10W 3K	1	
R4018		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R4019		ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R4020		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4021		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4022		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4023		ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R4024,25		ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	2	
R4026		ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K	1	
R4027		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4028		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4032		ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K	1	
R4035		ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4036		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4038		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R4039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4040		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4042		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R4044		ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R4048		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R4049		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R4051		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6001-03		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	3	
R6004,05		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6006		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6007		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6008		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6009		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6010		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6011		ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R6012		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6013		ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	1	
R6014		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6015		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6017		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R6018		ERJ6GMYJ131	M.RESISTOR CH 1/10W 130	1	
R6019		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6020		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6021		ERJ6GMYJ201	M.RESISTOR CH 1/10W 200	1	
R6022		ERG3SJ220	M.RESISTOR 3W 22	1	
R6023		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R6024		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R6025		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6026		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6028		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6029		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6039		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6041		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6042,43		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6044,45		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R6046		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6047		ERDS1TJ332	C.RESISTOR 1/2W 3.3K	1	
R6048		ERJ6GMYJ681	M.RESISTOR CH 1/10W 680	1	
R6049		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6053		ERG2SJ471U	M.RESISTOR 2W 470	1	
R6054		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6055		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6056		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R6057		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6059		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6060		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R6101		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6102		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6103,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R6201		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6202		ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R6203		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6204		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6205		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6206		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R7401		ERDS2TJ153	C.RESISTOR 1/4W 15K	1	
R7402		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7563		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7651		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7654		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7655		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7656		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R7657		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7658		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7659		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R7661		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7662		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R7664		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7671,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7673		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7674		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R7675		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7676		ERG1SJ152	M.RESISTOR 1W 1.5K	1	
R7677		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7678		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R7679		ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R7680		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R7681,82		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R7683		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R7684		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R7691		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7692		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7694		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R7695		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R7696		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
T703		EIV5EC005A	TRANSFORMER	1	
T704		EIV5EC007A	TRANSFORMER	1	
T711		EIS5EC008A	TRANSFORMER	1	
T4001		EIQ7QF013Q	TRANSFORMER	1	
VR301		EVNDRAA00B24	V.RESISTOR 20K	1	
VR302		EVN4YCA00B23	V.RESISTOR 2K	1	
VR701		EVNDRAA00B23	V.RESISTOR 2K	1	
VR751		EVNDRAA00B53	V.RESISTOR 5K	1	
VR801		EVN4YCA00B52	V.RESISTOR 500	1	
VR802		EVN4YCA00B13	V.RESISTOR 1K	1	
VR803		EVNDRAA00B14	V.RESISTOR 10K	1	
VR2001		EVNDRAA00B54	V.RESISTOR 50K	1	
VR2009,10		EVND1AA00B25	V.RESISTOR 200K	2	
VR2011		EVNDRAA00B15	V.RESISTOR 100K	1	
VR3012		EVNDRAA00B52	V.RESISTOR 500	1	
VR3013		EVNDRAA00B52	V.RESISTOR 500	1	
VR3801		EVN4YCA00B14	V.RESISTOR 10K	1	
VR4002		EVNDRAA00B25	V.RESISTOR 200K	1	
VR7660		EVM4LGA00B23	V.RESISTOR 2K	1	
X301		VSX0225	CRYSTAL OSCILLATOR	1	
X710		EFCH39MGP1	CRYSTAL OSCILLATOR	1	
X711		EFCS6R0MW5	CRYSTAL OSCILLATOR	1	
X712		EFCS6R0MS5	CRYSTAL OSCILLATOR	1	
X801		VSX0162	CRYSTAL OSCILLATOR	1	
X3101		VSX0099	CRYSTAL OSCILLATOR	1	
X6101		VSX0383	CRYSTAL OSCILLATOR	1	
X6801		VSX0258	CRYSTAL OSC.	1	
X7401		VSQ0565	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMA6768	EARTH ANGLE	1	
		ENC17972A	RF CONVERTER	1	[SUPPLIED FROM M.B.V]
					<!>
		VEJ0839	ANT. TERMINAL PLATE	1	[SUPPLIED FROM M.B.V]
		VMZ1352	HEAT SINK COVER	1	
		VJF0379	CLAMP	1	
		VJF0858	CLAMP	1	
		VMC0462	EARTH SPRING	1	[FOR SUB MAIN]
		ENV87837H3	TUNER	1	[SUPPLIED FROM M.B.V]

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					<!> [FOR TV DEMODU.]
		VSC2712	SHIELD CASE (TOP)	1	[FOR TV DEMODU.]
		VSC2713	SHIELD CASE (MAIN)	1	[FOR TV DEMODU.]
		VSC2714	SHIELD CASE (BOTTOM)	1	[FOR TV DEMODU.]
		VWJ14HW140MM	FLEXIBLE CABLE(14PIN)	1	(P7401-P7501)
		VWJ0374	FLEXIBLE CABLE(15PIN)	1	(P7402-P7502)
	■	VEP07598B	TIMER C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA) NV-J35EG
			CAPACITORS		
C6701		ECEA0JK470I	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H331KBA	C.CAPACITOR 50V 330P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7510		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7525		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C7551		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA4068	DIODE	1	
D7504		MA165	DIODE	1	
D7507		MA165	DIODE	1	
D7510,11		MA165	DIODE	2	
D7513		MA165	DIODE	1	
D7516		MA165	DIODE	1	
D7530		MA165	DIODE	1	
D7532-35		MA165	DIODE	4	
D7537-41		MA165	DIODE	5	
D7554,55		LN28RCPL	DIODE	2	
D7556		LN38GCPL	DIODE	1	
DP7501		VSL0148	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	(S)
L7501		VLQEL05F221K	COIL 220UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P7501		VJS1492	CONNECTOR(FEMALE)	1	
P7502		VJS2651B015	CONNECTOR (FEMALE)	1	
P7505		VJS2357A015	CONNECTOR (FEMALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7525		UN2216	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R7504		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7512		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R7523-27		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	5	
R7530-32		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7535		ERDS1TJ5R1	C.RESISTOR 1/2W 5.1	1	
R7538		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7544		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7546		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7552-54		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	3	
R7555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7561,62		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0704	FIP HOLDER	1	
		VSC2671	SHIELD(MAIN)	1	(FOR IR RECEIVER)
		VSC2672	SHIELD(BOTTOM)	1	(FOR IR RECEIVER)
	■	VEP07598A	TIMER C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA) NV-J35B
			CAPACITORS		
C6701		ECEA0JK470I	E.CAPACITOR 6.3V 47U	1	
C6702		ECKF1H331KBA	C.CAPACITOR 50V 330P	1	
C6703		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6704		ECEA1HK3R3I	E.CAPACITOR 50V 3.3U	1	
C7501		ECRHA030E41	TRIMMER 3P	1	
C7502		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C7503		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C7504		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C7505		ECEA0JK221	E.CAPACITOR 6.3V 220U	1	
C7506		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7507		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C7508		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7510		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C7511		ECEA1HKA100	E.CAPACITOR 50V 10U	1	
C7512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C7513		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C7525		ECUN1H821KBN	C.CAPACITOR CH 50V 820U	1	
C7551		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D6701		PN323B	PHOTO DIODE	1	
D7501		MA4068	DIODE	1	
D7502		MA165	DIODE	1	
D7507,08		MA165	DIODE	2	
D7510,11		MA165	DIODE	2	
D7513		MA165	DIODE	1	
D7516,17		MA165	DIODE	2	
D7530		MA165	DIODE	1	
D7532-35		MA165	DIODE	4	
D7537-41		MA165	DIODE	5	
D7554,55		LN28RCPL	DIODE	2	
D7556		LN38GCPL	DIODE	1	
DP7501		VSL0148	DISPLAY TUBE	1	
IC6701		UPC1490HA	IC	1	
IC7501		MN187125VHP	IC	1	
IC7502		MN12C261D	IC	1	
IC7503		MN1280L	IC	1	
IC7504		MN1280S	IC	1	(S)
L7501		VLQEL05F221K	COIL 220UH	1	
P7501		VJS1492	CONNECTOR(FEMALE)	1	
P7502		VJS2651B015	CONNECTOR (FEMALE)	1	
P7505		VJS2357A015	CONNECTOR (FEMALE)	1	
QR7501		MRN1404	TRANSISTOR-RESISTOR	1	
QR7525		UN2216	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R6701		ERDS2TJ154	C.RESISTOR 1/4W 150K	1	
R6702		ERDS2TJ8R2	C.RESISTOR 1/4W 8.2	1	
R6703		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R7501		ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R7502		ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K	1	
R7503		ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R7504		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R7505		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R7508-10		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	
R7511		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7512		ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R7523-27		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	5	
R7530-32		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R7533		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7534		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7535		ERDS1TJ5R1	C.RESISTOR 1/2W 5.1	1	
R7538		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7540		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7544		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R7546		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7549		ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R7550		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R7552-54		ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	3	
R7555		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7563		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
X7501		VSX0140	CRYSTAL OSCILLATOR	1	
X7502		VSX0094	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0704	FIP HOLDER	1	
		VSC2671	SHIELD(MAIN)	1	(FOR IR RECECVER)
		VSC2672	SHIELD(BOTTOM)	1	(FOR IR RECECVER)
	■	VEP01420AB	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35EG
			CAPACITORS		
C1101		ECQU2A154MNB	P.CAPACITOR 100V 0.15U	1	<!>
C1102		ECQU2A104MN	P.CAPACITOR 100V 0.01U	1	<!>
C1108		ECOS2GU820B	C.CAPACITOR 400V 82P	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1113		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1114		ECA1CXLV470	E.CAPACITOR	1	
C1115		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1117		ECQP1101JZ	P.CAPACITOR 100V 100P	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DFZ681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECEA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1137		ECQV1H223JS	P.CAPACITOR 50V 0.022U	1	
C1142		VCC0021	CAPACITOR	1	<!>
C1145		VCC0021	CAPACITOR	1	<!>
C1147		VCC0022	C.CAPACITOR 1000P	1	<!>
D1102		S1WBA60	DIODE	1	<!>
D1103		VSD0002	DIODE	1	<!>
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4039	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		RL2ZP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		11EQS04	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC1101		STRD1816	IC	1	<!>
IC1102		STK5392	IC	1	
K1115		WJP0002T		1	#K
L1101,02		ELF18D290A	FILTER	2	<!>
L1103		VLQ0335	COIL H	1	
L1104-07		VLP0085	FILTER	4	
P1101		VJS2651B013W	CONNECTOR (FEMALE)	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	<!>
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	<!>
R1102,03		ERDS1TJ823	C.RESISTOR 1/2W 82K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1108		ERD2FTVG182	C.RESISTOR 1/4W 1.8K	1	<!>
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG2SJ181	M.RESISTOR 2W 180	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1118		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R1123,24		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1125		ERW1PK2R2	WIRE WOUND 2W 2.2	1	
T1101		VLT0571	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJP0318	FUSE HOLDER	2	<!>
		VMZ1183	CAPACITOR COVER	1	<!>
		VMZ1608	CAPACITOR COVER	1	<!>
	■	VEP01420AA	POWER C.B.A.		[SUPPLIED FROM M.B.V]
					<!>(NLA) NV-J35B
			CAPACITORS		
C1101		ECQU2A563MNB	P.CAPACITOR 100V 0.056U	1	<!>
C1102		ECQU2A333MNB	P.CAPACITOR 100V 0.033U	1	<!>
C1108		ECOS2GU820B	C.CAPACITOR 400V 82P	1	
C1109		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1110		ECQE6473JZ	P.CAPACITOR 630V 0.047U	1	
C1111		ECKD3D331KBN	C.CAPACITOR 2KV 330P	1	
C1113		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	
C1114		ECA1CXLV470	E.CAPACITOR	1	
C1115		ECQB1H472KZ	P.CAPACITOR 50V 4700P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1117		ECQP1101JZ	P.CAPACITOR 100V 100P	1	
C1118		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1119,20		ECEA1DFZ681X	E.CAPACITOR 20V 680U	2	
C1121		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1122		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1123		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1124,25		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1126		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1127		ECEA0JFZ471	E.CAPACITOR 6.3V 470U	1	
C1128-31		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	4	
C1132		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1134,35		ECKF1H103ZFB	C.CAPACITOR 50V 0.01U	2	
C1136		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C1137		ECQV1H223JS	P.CAPACITOR 50V 0.022U	1	
C1142		VCC0019	C.CAPACITOR 330P	1	<!>
C1145		VCC0019	C.CAPACITOR 330P	1	<!>
C1147		VCC0022	C.CAPACITOR 1000P	1	<!>
D1101		SNR-300K4	SURGE ABSORBER	1	<!>
D1102		S1WBA60	DIODE	1	<!>
D1103		VSD0002	DIODE	1	<!>
D1104		AP01C	DIODE	1	
D1105		MA178	DIODE	1	
D1106		MA4039	DIODE	1	
D1107		MA165	DIODE	1	
D1108		ERA22-02	DIODE	1	
D1109		RL2ZP	DIODE	1	
D1110		MA185	DIODE	1	
D1111		11EQS04	DIODE	1	
D1112		ERB83-004L17	DIODE	1	
D1113		MA2200B	DIODE	1	
D1114		MA4130L	DIODE	1	
IC1101		STRD1816	IC	1	<!>
IC1102		STK5392	IC	1	
K1115		WJP0002T	LEAD WIRE	1	#K
L1102		ELF18D290A	FILTER	1	<!>
L1103		VLQ0335	COIL H	1	
L1108,09		VLP0085	FILTER	2	
P1101		VJS2651B013W	CONNECTOR (FEMALE)	1	
P1102		VJS2625	CONNECTOR (FEMALE)	1	<!>
Q1102		2SD1330	TRANSISTOR	1	
			RESISTORS		
R1101		ERC12AGM334	S.RESISTOR 1/2W 330K	1	<!>
R1102,03		ERDS1TJ823	C.RESISTOR 1/2W 82K	2	
R1104		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R1106		ERG3ANJ683	M.RESISTOR 3W 68K	1	
R1108		ERD2FTVG182	C.RESISTOR 1/4W 1.8K	1	<!>
R1110		ERG2SJ330	M.RESISTOR 2W 33	1	
R1111		ERG2SJ181	M.RESISTOR 2W 180	1	
R1113		ERG1SJ182E	M.RESISTOR 1W 1.8K	1	
R1114		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1118		ERDS2TJ1R0	C.RESISTOR 1/4W 1.0	1	
R1123,24		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1125		ERW1PK2R2	WIRE WOUND 2W 2.2	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T1101		VLT0571	TRANSFORMER	1	<!>
			MISCELLANEOUS		
		VJF0318	FUSE HOLDER	2	<!>
		VMZ1183	CAPACITOR COVER	1	<!>
		VMZ1608	CAPACITOR COVER	1	<!>
	■	VEP05137D	HEAD AMP C.B.A.		(NLA) NV-J35EG
			CAPACITORS		
C501		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C505		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C507		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C509		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C510,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C512		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C513		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C515		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C516		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C518		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C523		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C524		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C525		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C528		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C529		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C532		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C533		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C534,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C536		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C537		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C538		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C539		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C540		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C541		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C542		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
IC501		BA7274S	IC	1	
L501		VLQEL05F101K	COIL 100UH	1	
L503		VLQEL05F270K	COIL 27UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQEL05F820K	COIL 82UH	1	
L506		VLQEL05F151K	COIL 150UH	1	
P002		VJS1449	CONNECTOR(FEMALE)	1	
P501		VJP1931T	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q502		2SC2295	TRANSISTOR	1	
QR501		DTC363EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R501		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R502		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R503		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R504		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R506		ERJ6GMYJ204	M.RESISTOR CH 1/10W 200K	1	
R507		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R508		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R510		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R512		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R513		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R515		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R518		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R519		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R523		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R524		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R525		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R526		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R527		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R528		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R529		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R530		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R531		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R532		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R533		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R534-36		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	3	
VR501		EVND1AA00B23	V.RESISTOR 2K	1	
VR502		EVND1AA00B13	V.RESISTOR 1K	1	
			MISCELLANEOUS		
		VSC2353	SHIELD(TOP)	1	
		VSC2355	SHIELD(BOTTOM)	1	
		VSC2354	SHIELD(MAIN)	1	
	■	VEP05137A	HEAD AMP C.B.A.		(NLA) NV-J35B
			CAPACITORS		
C501		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C505		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C507		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C508		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C509		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C510,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C512		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C513		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C515		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C516		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C518		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C522		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C523		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C524		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C525		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C526		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C527		VCYD1C104MR1	S.CAPACITOR 16V 0.1U	1	
C528		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C529		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C530		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C531		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C532		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C533		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C534,35		ECEA1CK100	E.CAPACITOR 16V 10U	2	
C536		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C537		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C538		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C539		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C540		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C541		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C542		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
IC501		BA7274S	IC	1	
L501		VLQEL05F101K	COIL 100UH	1	
L503		VLQEL05F270K	COIL 27UH	1	
L504		VLQEL05F101K	COIL 100UH	1	
L505		VLQEL05F820K	COIL 82UH	1	
L506		VLQEL05F151K	COIL 150UH	1	
P002		VJS1449	CONNECTOR(FEMALE)	1	
P501		VJP1931T	CONNECTOR (MALE)	1	
Q501		2SB709	TRANSISTOR CHIP	1	(Q,R,S)
Q502		2SC2295	TRANSISTOR	1	
QR501		DTC363EK	TRANSISTOR-RESISTOR	1	
			RESISTORS		
R501		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R502		ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R503		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R504		ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R506		ERJ6GMYJ204	M.RESISTOR CH 1/10W 200K	1	
R507		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R508		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R509		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R510		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R512		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R513		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R515		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R518		ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	
R519,20		ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	2	
R523		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R524		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R525		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R526		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R527		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R528		ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R529		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	
R530		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R531		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R532		ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R533		ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R534-36		ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	3	
VR501		EVND1AA00B23	V.RESISTOR 2K	1	
VR502		EVND1AA00B13	V.RESISTOR 1K	1	
			MISCELLANEOUS		
		VSC2353	SHIELD(TOP)	1	
		VSC2355	SHIELD(BOTTOM)	1	
		VSC2354	SHIELD(MAIN)	1	
	■	VEP06681A	POWER SW C.B.A.		[SUPPLIED FROM M.B.V]
					(NLA)
			CAPACITORS		
C4301		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4302,03		ECEA1CKS470	E.CAPACITOR 16V 47U	2	
C4304		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
D6201		LN28RCPPU	DIODE	1	
D6202,03		MA165	DIODE	2	
J4301		VJJ0281		1	#J
P6201		VJS2649	CONNECTOR	1	
P6202		VJP1244T	CONNECTOR(MALE) 4P	1	
PP6201		VJP2648	CONNECTOR (MALE)	1	
PS4301		VJS2648	CONNECTOR (FEMALE)	1	
Q4301		2SC2405	TRANSISTOR	1	
Q4302		2SA1034	TRANSISTOR	1	
			RESISTORS		
R4301		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4302		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R4303		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4304		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4306		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4307,08		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4309		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6201		ERJ6GMYJ181	M.RESISTOR CH 1/10W 180	1	
R6203		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6205		ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
SW6201		VSS0187	SWITCH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW6203		EVQ11407K	SWITCH	1	
SW6204		VSS0236	SWITCH	1	
VR3004		EWAKFKXB3B24	V.RESISTOR 20K	1	
VR3013		EVNDRAA00B52	V.RESISTOR 500	1	
			MISCELLANEOUS		
		VGU4537	SWITCH KNOB	2	
		VMD0504	LED HOLDER	1	
	■	VEP00P95A	MIC JACK C.B.A.		[SUPPLIED FROM M.B.V]
					(NIA)
			CAPACITORS		
C4301		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4302,03		ECEA1CKS470	E.CAPACITOR 16V 47U	2	
C4304		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
J4301		VJJ0281		1	#J
PS4301		VJS2648	CONNECTOR (FEMALE)	1	
Q4301		2SC2405	TRANSISTOR	1	
Q4302		2SA1034	TRANSISTOR	1	
			RESISTORS		
R4301		ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4302		ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R4303		ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R4304		ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R4305		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R4306		ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	
R4307,08		ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	
R4309		ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
		VEP06569AC	KEY BOARD SW C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NIA) NV-J35EG
		VEP06569D	KEY BOARD SW C.B.A.	1	[SUPPLIED FROM M.B.V]
					(NIA) NV-J35B
			CONNECTOR		
P6501		VJS2357B015	CONNECTOR(FEMALE)	1	
			SWITCHES		
SW6502-07		EVQ11404M	SWITCH	6	
SW6509		EVQ11404M	SWITCH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SW6510		EVQ11404M	SWITCH	1	NV-J35B
SW6511-28		EVQ11404M	SWITCH	18	
			MISCELLANEOUS		
		VWJ15UG065BB	FLAT CABLE	1	
	■	VEP66125E	REMOTE CONTROL UNIT C.B.A.		(NIA) NV-J35EG
C6801		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C6802		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6803		ECEV1CFN4R7	E.CAPACITOR 16V 4.7U	1	
C6804		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6808,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6810		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6811		ECUM1H223ZFN	C.CAPACITOR 50V 0.022U	1	
C6812		ECUM1E154ZFM	C.CAPACITOR 25V 0.15U	1	
D6801		SE303ACYTF	DIODE	1	
D6803-11		MA221	DIODE	9	
D6813		MA221	DIODE	1	
D6817		MA221	DIODE	1	
IC6801		MN158455VSSD	IC	1	
IC6802		AN8356S	IC	1	
L6801		ELT3K017B	COIL	1	
Q6801		2SD1328	TRANSISTOR	1	(R,S)
Q6802		2SB709	TRANSISTOR	1	(Q,R,S)
Q6803		2SD601	TRANSISTOR	1	(Q,R,S)
QR6803		DTC144TK	TRANSISTOR-RESISTOR	1	
R6802,03		ERJ6GMYJ474	M.RESISTOR CH1/10W 470K	2	
R6804		ERJ6GMYJ394	M.RESISTOR CH1/10W 390K	1	
R6805		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6806		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6807		ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R6808		ERJ6GMYJ824	M.RESISTOR CH1/10W 820K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6812		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6813		ERJ6GMYJ6R8	M.RESISTOR CH1/10W 6.8	1	
R6814,15		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6816		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R6817		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	
SN6801		VSQ0567	PHOTO DETECTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR6801		EVNDXAA00B34	V.RESISTOR 30K	1	
X6801		EF0GC3524T4	CRYSTAL OSCILLATOR	1	
X6802		EFBAL30D401K	BUZZER	1	
			MISCELLANEOUS		
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VEP66125D	REMOTE CONTROL UNIT C.B.A.		(NLA) NV-J35B
C6801		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C6802		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6803		ECEV1CFN4R7	E.CAPACITOR 16V 4.7U	1	
C6804		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C6808,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6810		ECUM1E104ZFM	C.CAPACITOR 25V 0.1U	1	
C6811		ECUM1H223ZFN	C.CAPACITOR 50V 0.022U	1	
C6812		ECUM1E154ZFM	C.CAPACITOR 25V 0.15U	1	
D6801		SE303ACYTF	DIODE	1	
D6803-12		MA221	DIODE	10	
D6817		MA221	DIODE	1	
IC6801		MN158455VSSD	IC	1	
IC6802		AN8356S	IC	1	
L6801		ELT3K017B	COIL	1	
Q6801		2SD1328	TRANSISTOR	1	(R,S)
Q6802		2SB709	TRANSISTOR	1	(Q,R,S)
Q6803		2SD601	TRANSISTOR	1	(Q,R,S)
QR6803		DTC144TK	TRANSISTOR-RESISTOR	1	
R6802,03		ERJ6GMYJ474	M.RESISTOR CH1/10W 470K	2	
R6804		ERJ6GMYJ394	M.RESISTOR CH1/10W 390K	1	
R6805		ERJ6GMYJ153	M.RESISTOR CH1/10W 15K	1	
R6806		ERJ6GMYJ561	M.RESISTOR CH1/10W 560	1	
R6807		ERJ8GCYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R6808		ERJ6GMYJ824	M.RESISTOR CH1/10W 820K	1	
R6810		ERJ6GMYJ184	M.RESISTOR CH1/10W 180K	1	
R6812		ERJ6GMYJ273	M.RESISTOR CH1/10W 27K	1	
R6813		ERJ6GMYJ6R8	M.RESISTOR CH1/10W 6.8	1	
R6814,15		ERJ6GMYJ473	M.RESISTOR CH1/10W 47K	2	
R6816		ERJ6GMYJ334	M.RESISTOR CH1/10W 330K	1	
R6817		ERJ6GMYJ331	M.RESISTOR CH1/10W 330	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
SN6801		VSQ0567	PHOTO DETECTOR	1	
VR6801		EVNDXAA00B34	V.RESISTOR 30K	1	
X6801		EF0GC3524T4	CRYSTAL OSCILLATOR	1	
X6802		EFBAL30D401K	BUZZER	1	
			MISCELLANEOUS		
		VGQ1406	TERMINAL BASE	1	
		VJR0401	TERMINAL ANGLE	2	
	■	VXA3554	MECHANISM CONNECTION C.B.A.		(NLA)
D1501		GL450	LED	1	
IC1501		ON2170	IC	1	
R1501,02		ERJ8GCYJ223	CHIP 1/8W 22K	2	
P1504		VJS2342W	CONNECTOR 13P	1	
P1505		VJP1242T	CONNECTOR 2P	1	
			MISCELLANEOUS		
		VMA7844	REINFORCEMENT PLATE(F)	1	
		VMA7845	REINFORCEMENT PLATE(R)	1	
		VES0489	SAFETY SW	1	
		VMB2020	EARTH SPRING	1	
		VMD0911	LED HOLDER	1	
		VSS0175	MODE SW	1	
	■	VEK3578	SUPPLY PHOTO Tr. C.B.A.		(NLA)
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	TRANSISTOR	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	
			TAKE-UP PHOTO Tr. C.B.A.		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1503		VJS2165W	CONNECTOR 6P	1	
Q1502		PN150NVS	TRANSISTOR	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
		VMD0645	PHOTO Tr. HOLDER	1	